



Full wwPDB NMR Structure Validation Report ⓘ

Apr 15, 2026 – 01:33 PM UTC

PDB ID : 6YQ5 / pdb_00006yq5
EMDB ID : EMD-10792
BMRB ID : 27468
Title : Hybrid structure of the SPP1 tail tube by solid-state NMR and cryo EM - NMR Ensemble
Authors : Zinke, M.; Sachowsky, K.A.A.; Zinn-Justin, S.; Ravelli, R.; Schroder, G.F.; Habeck, M.; Lange, A.
Deposited on : 2020-04-16

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:

EMDB validation analysis : **NOT EXECUTED**
MolProbity : 4-5-2 with Phenix2.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics : **NOT EXECUTED**
MapQ : **NOT EXECUTED**
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

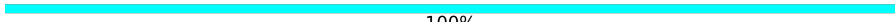
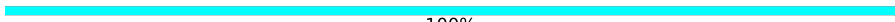
ELECTRON MICROSCOPY, SOLID-STATE NMR

The reported resolution of this entry is 4.00 Å.

The overall completeness of chemical shifts assignment was not calculated.

There are no overall percentile quality scores available for this entry.

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	172	 100%
1	B	172	 100%
1	C	172	 100%
1	D	172	 100%
1	E	172	 100%
1	F	172	 100%
1	G	172	 100%
1	H	172	 100%
1	I	172	 100%
1	J	172	 100%
1	K	172	 100%
1	L	172	 100%

2 Ensemble composition and analysis ⓘ

This entry contains 10 models. The atoms present in the NMR models are not consistent. Some calculations may have failed as a result. All residues are included in the validation scores.

Cyrange was unable to find well-defined residues.

Error message: Cyrange did not run

NmrClust was unable to cluster the ensemble.

Error message: NmrClust did not run

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 30672 atoms, of which 14916 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Tail tube protein gp17.1*.

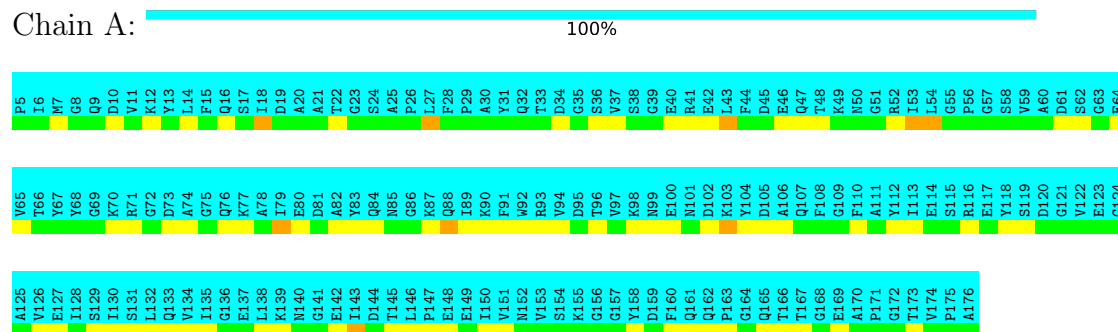
Mol	Chain	Residues	Atoms						AltConf	Trace
1	A	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	B	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	C	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	D	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	E	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	F	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	G	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	H	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	I	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	J	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	K	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		
1	L	172	Total	C	H	N	O	S	0	
			2556	821	1243	216	275	1		

4 Residue-property plots

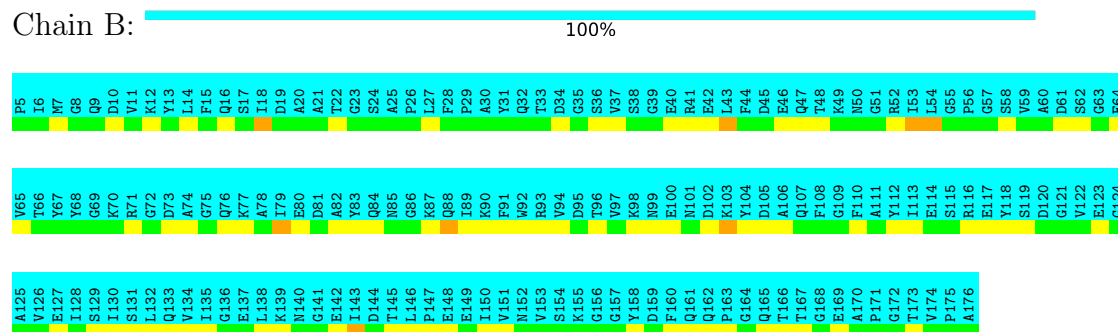
4.1 Average score per residue in the NMR ensemble

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: Tail tube protein gp17.1*



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- Molecule 1: Tail tube protein gp17.1*

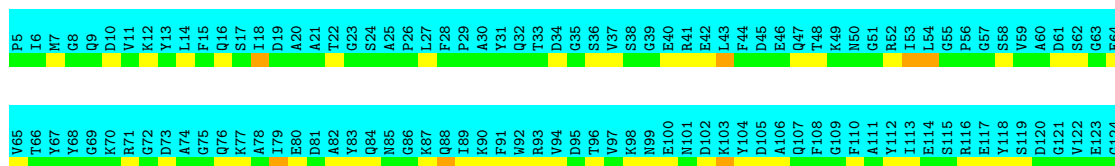




- Molecule 1: Tail tube protein gp17.1*

Chain D:

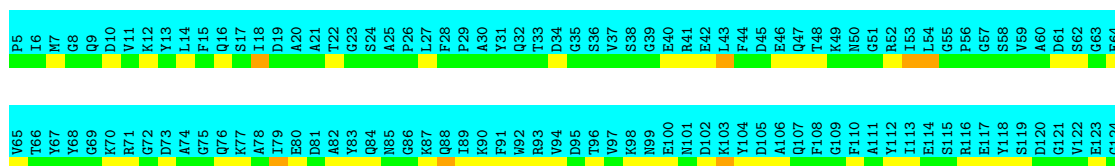
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- Molecule 1: Tail tube protein gp17.1*

Chain E:

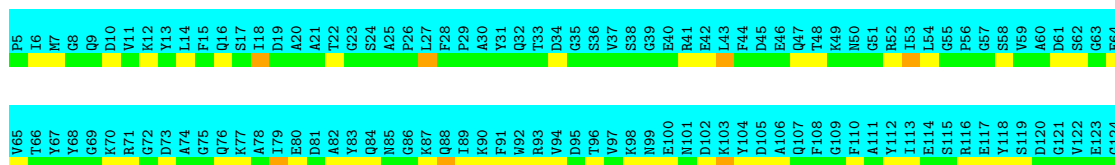
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- Molecule 1: Tail tube protein gp17.1*

Chain F:

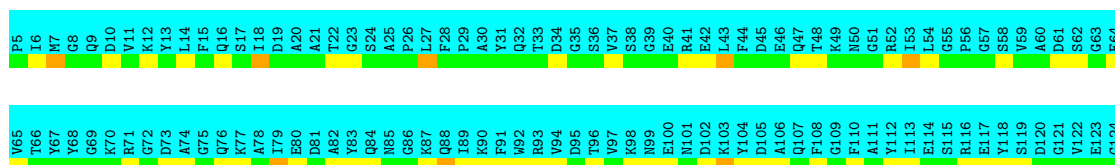
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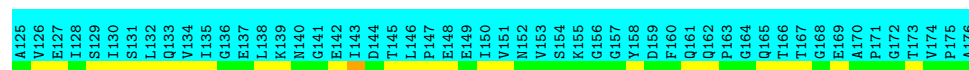


- Molecule 1: Tail tube protein gp17.1*

Chain G:

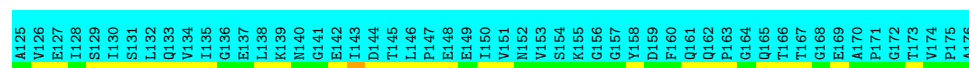
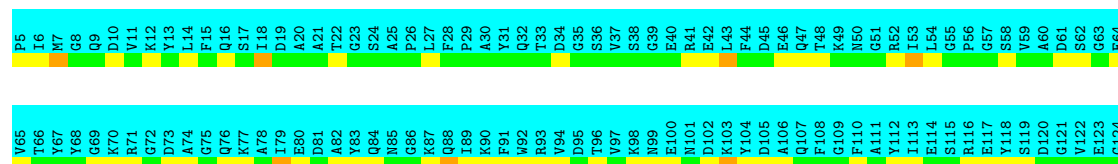
100%





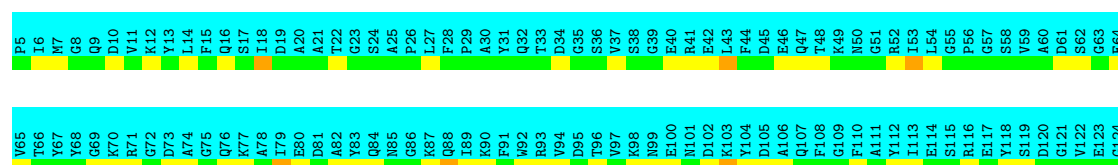
- Molecule 1: Tail tube protein gp17.1*

Chain H: 100%



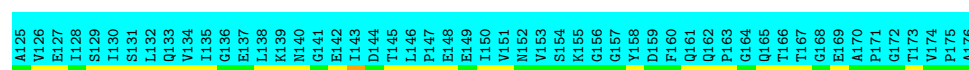
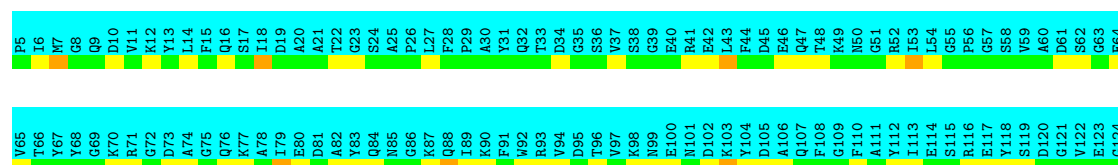
- Molecule 1: Tail tube protein gp17.1*

Chain I: 100%



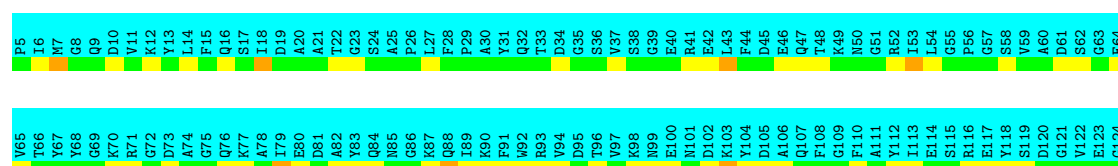
- Molecule 1: Tail tube protein gp17.1*

Chain J: 100%



- Molecule 1: Tail tube protein gp17.1*

Chain K: 100%

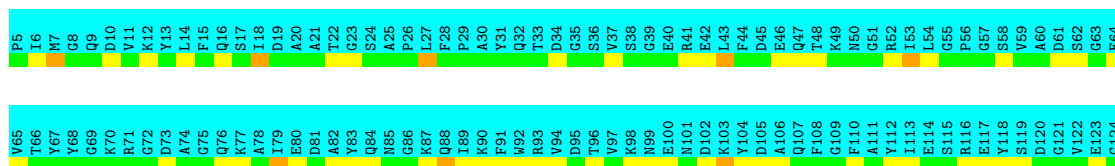




- Molecule 1: Tail tube protein gp17.1*

Chain L:

100%



4.2 Scores per residue for each member of the ensemble

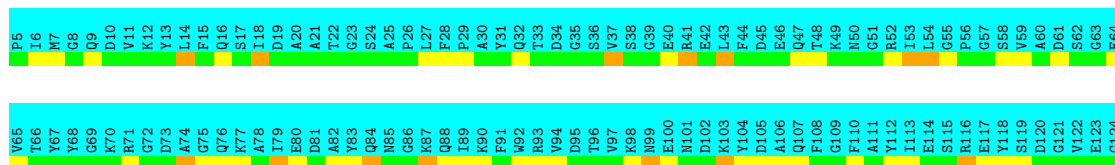
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Tail tube protein gp17.1*

Chain A:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain B:

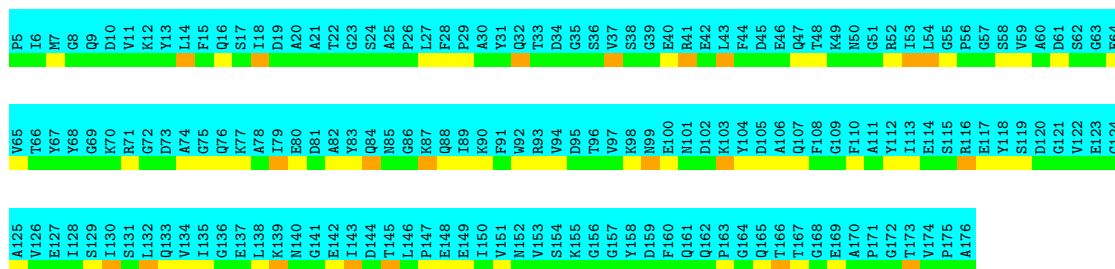
100%



- Molecule 1: Tail tube protein gp17.1*

Chain C:

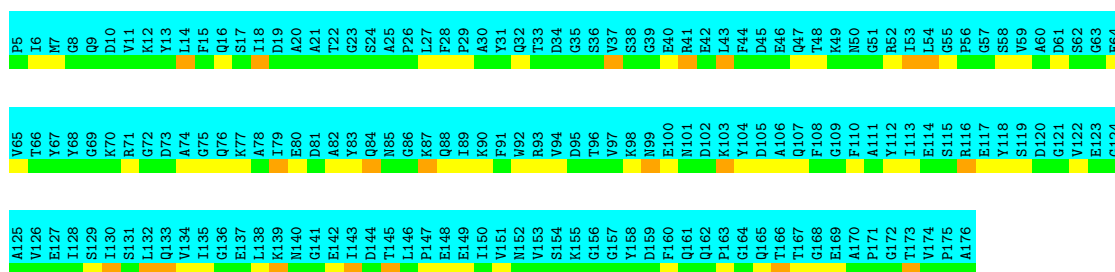
100%



- Molecule 1: Tail tube protein gp17.1*

Chain D:

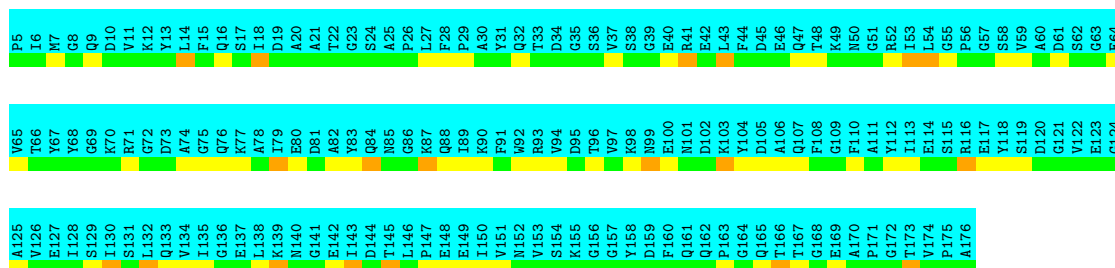
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- Molecule 1: Tail tube protein gp17.1*

Chain E:

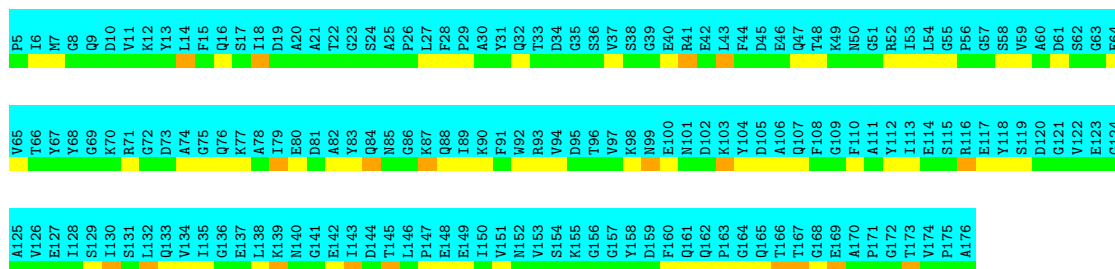
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- Molecule 1: Tail tube protein gp17.1*

Chain F:

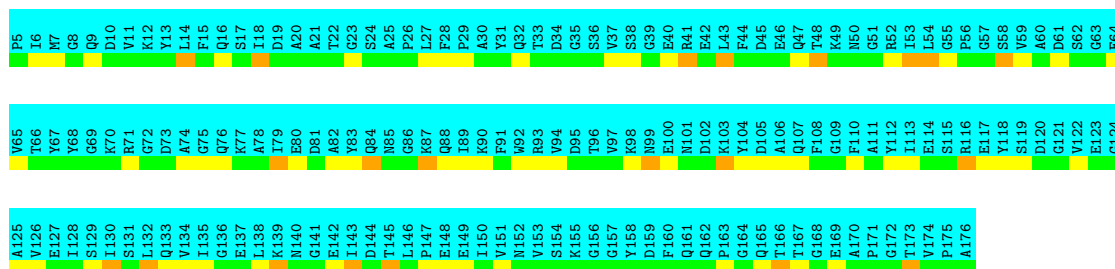
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- Molecule 1: Tail tube protein gp17.1*

Chain G:

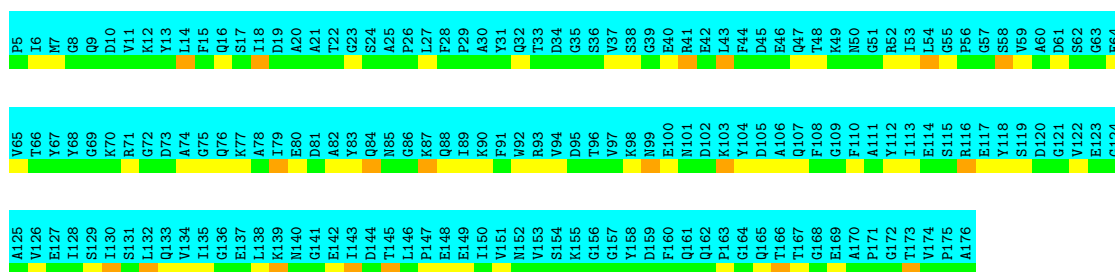
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- Molecule 1: Tail tube protein gp17.1*

Chain H:

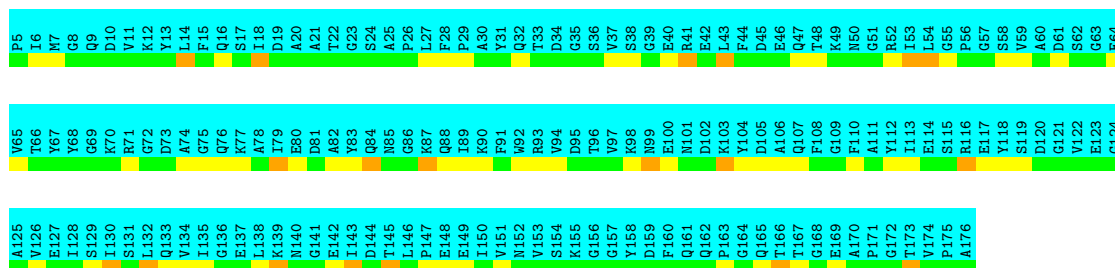
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- Molecule 1: Tail tube protein gp17.1*

Chain I:

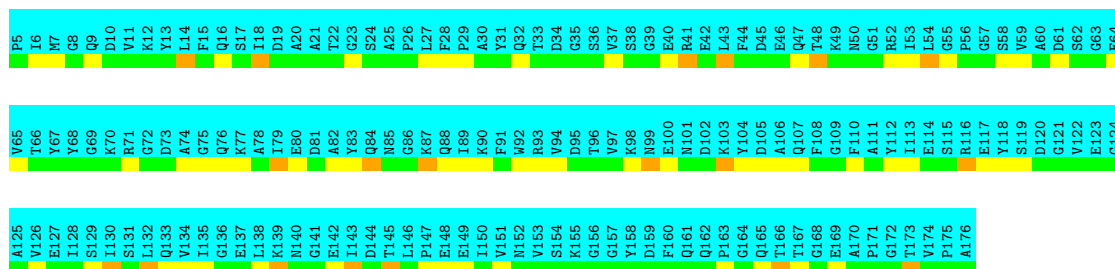
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- Molecule 1: Tail tube protein gp17.1*

Chain J:

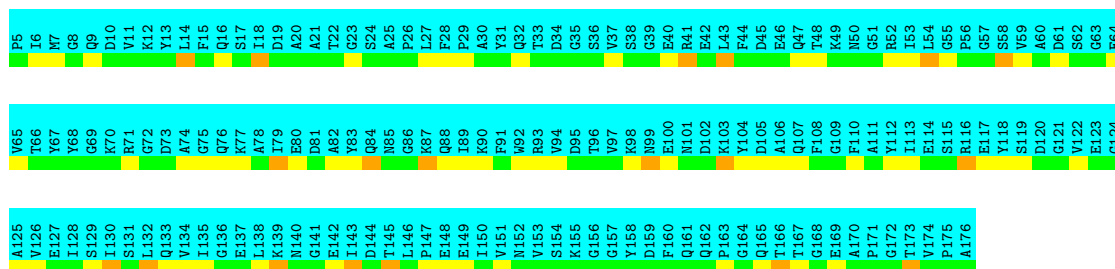
100%



- Molecule 1: Tail tube protein gp17.1*

Chain K:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain L:

100%

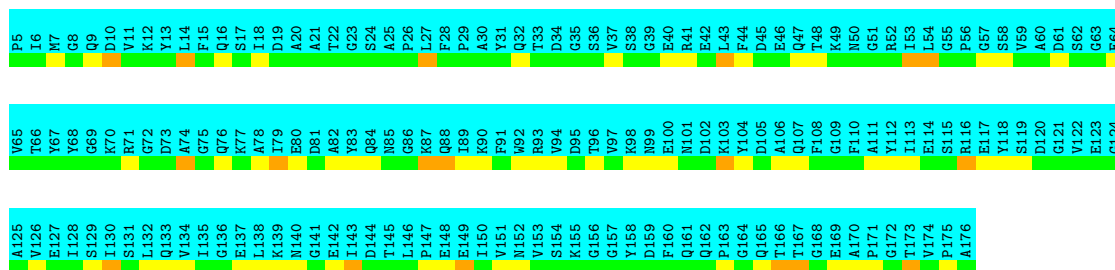


4.2.2 Score per residue for model 2

- Molecule 1: Tail tube protein gp17.1*

Chain A:

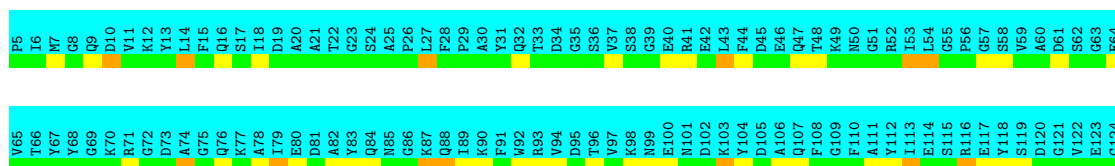
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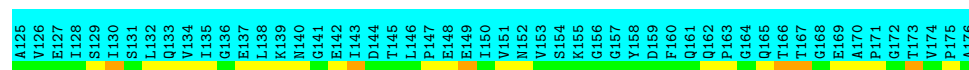


- Molecule 1: Tail tube protein gp17.1*

Chain B:

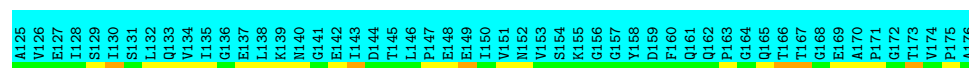
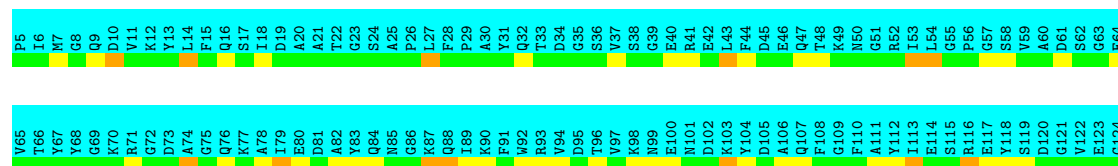
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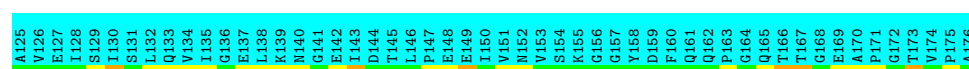
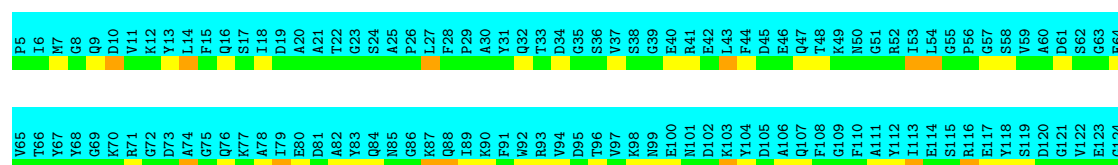
- Molecule 1: Tail tube protein gp17.1*

Chain C: 100%



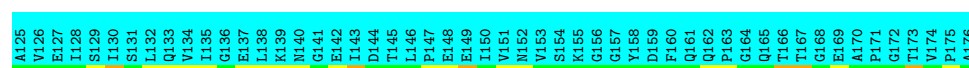
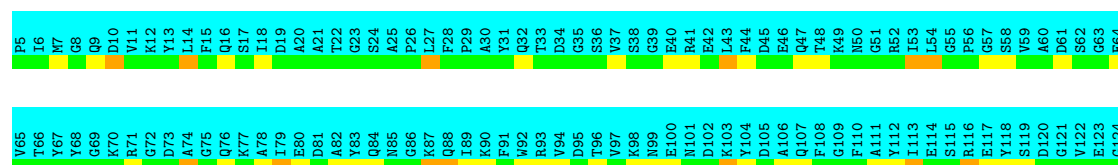
- Molecule 1: Tail tube protein gp17.1*

Chain D: 100%



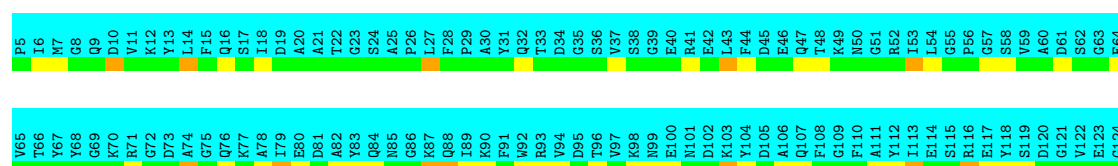
- Molecule 1: Tail tube protein gp17.1*

Chain E: 100%



- Molecule 1: Tail tube protein gp17.1*

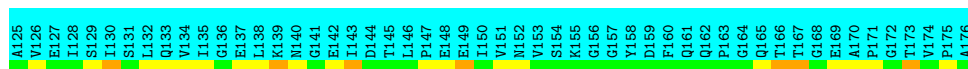
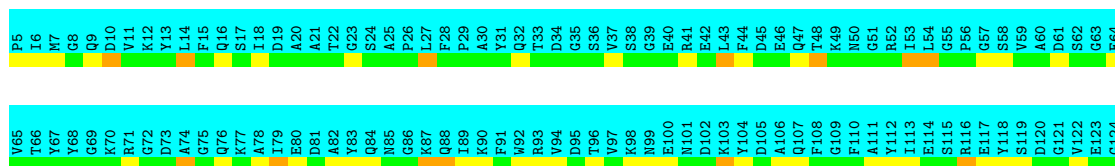
Chain F: 100%





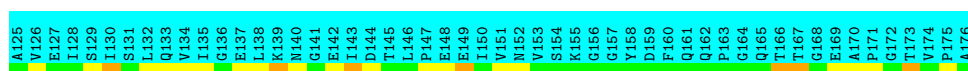
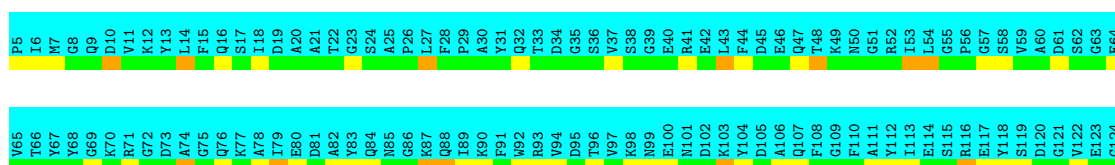
- Molecule 1: Tail tube protein gp17.1*

Chain G: 100%



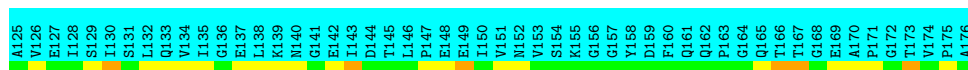
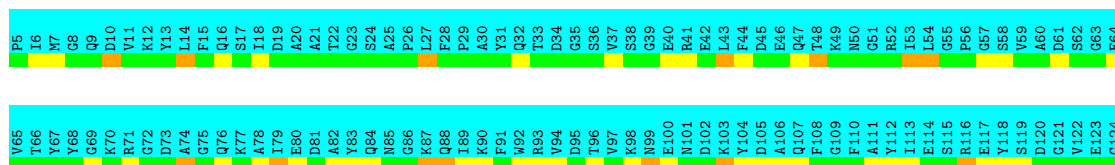
- Molecule 1: Tail tube protein gp17.1*

Chain H: 100%



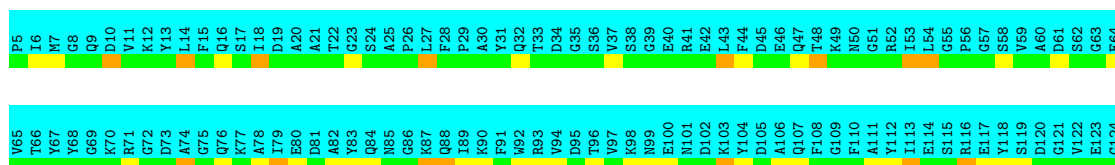
- Molecule 1: Tail tube protein gp17.1*

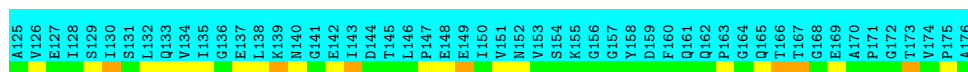
Chain I: 100%



- Molecule 1: Tail tube protein gp17.1*

Chain J: 100%

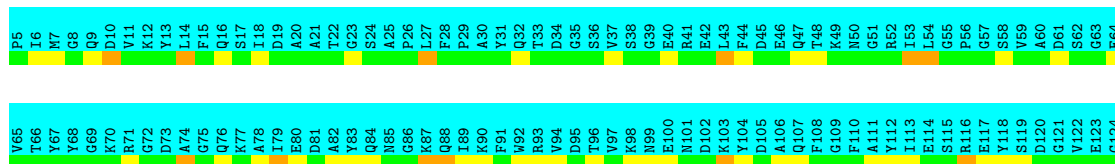




- Molecule 1: Tail tube protein gp17.1*

Chain K:

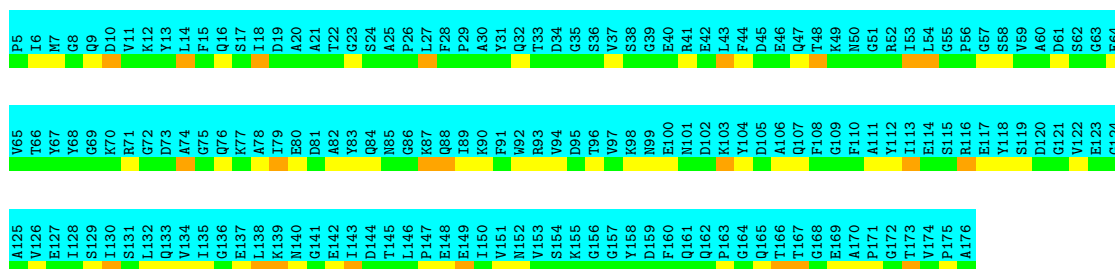
100%



- Molecule 1: Tail tube protein gp17.1*

Chain L:

100%

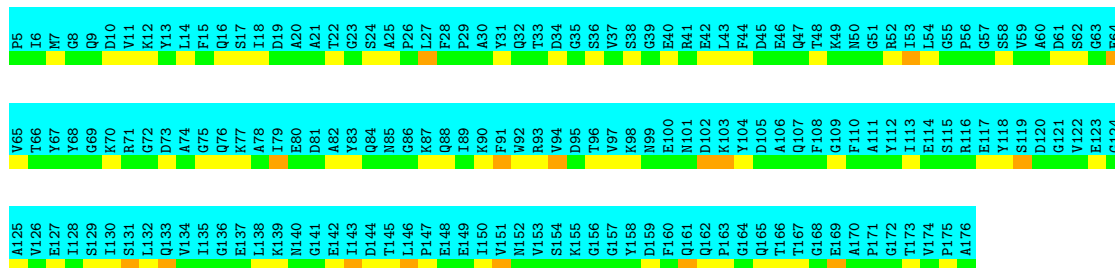


4.2.3 Score per residue for model 3

- Molecule 1: Tail tube protein gp17.1*

Chain A:

100%

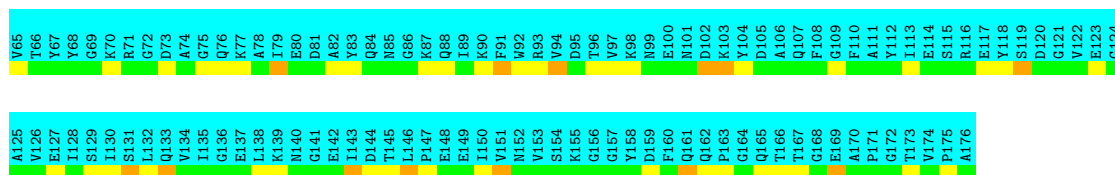


- Molecule 1: Tail tube protein gp17.1*

Chain B:

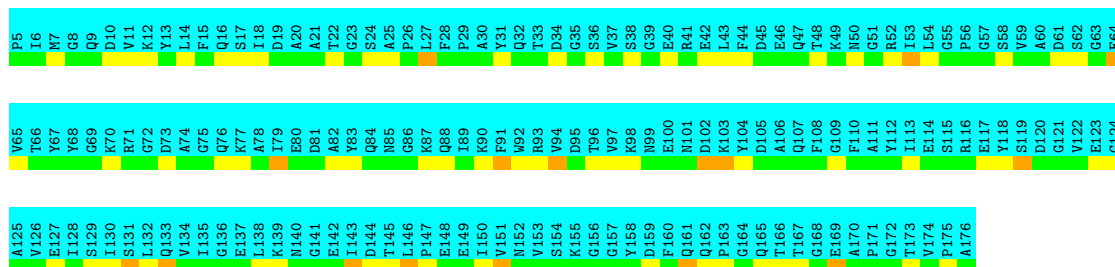
100%





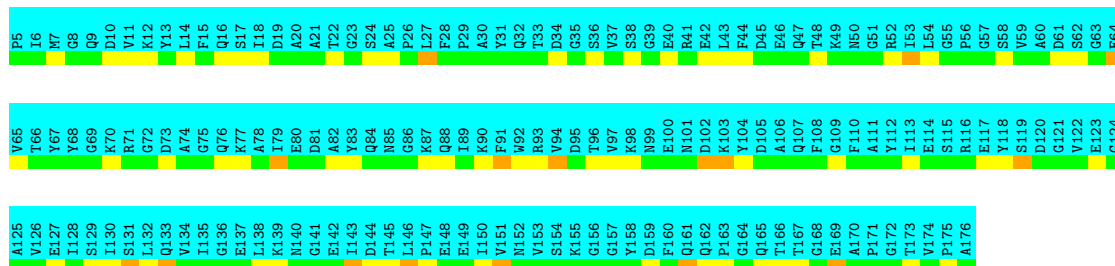
- Molecule 1: Tail tube protein gp17.1*

Chain C: 100%



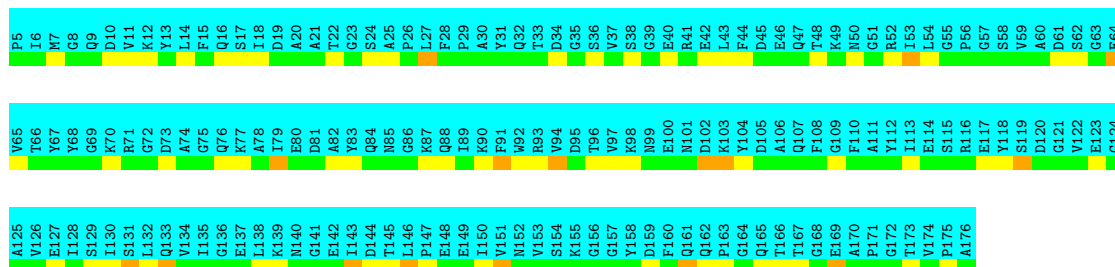
- Molecule 1: Tail tube protein gp17.1*

Chain D: 100%



- Molecule 1: Tail tube protein gp17.1*

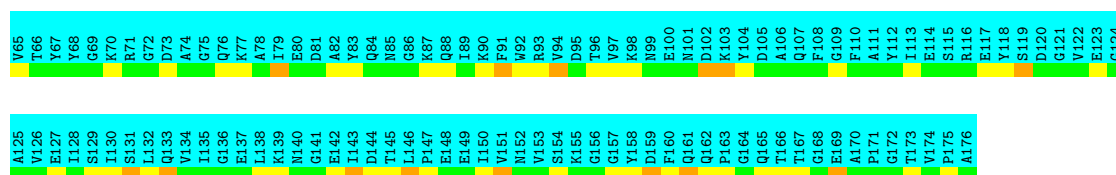
Chain E: 100%



- Molecule 1: Tail tube protein gp17.1*

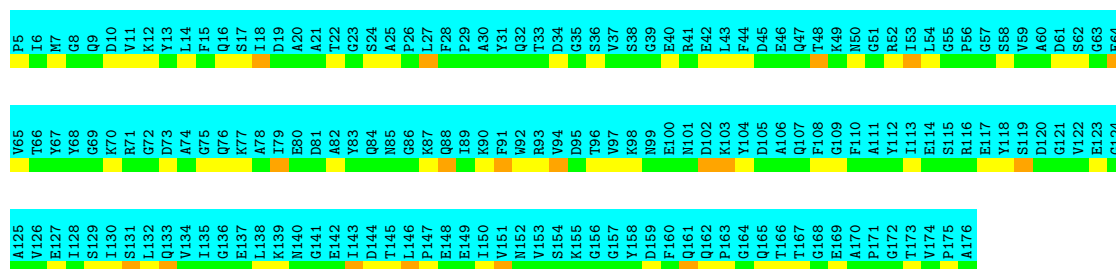
Chain F: 100%





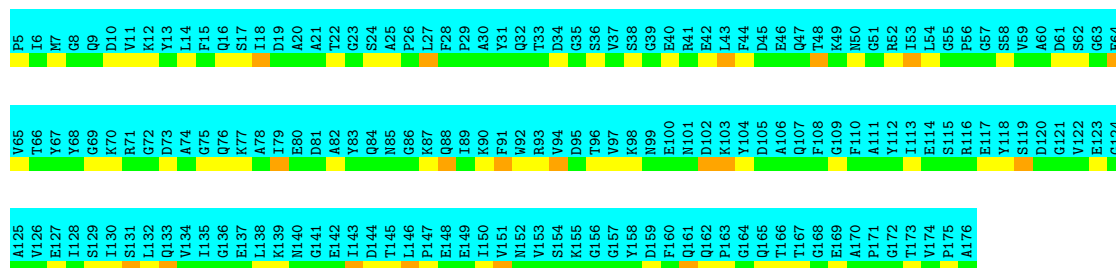
- Molecule 1: Tail tube protein gp17.1*

Chain G: 100%



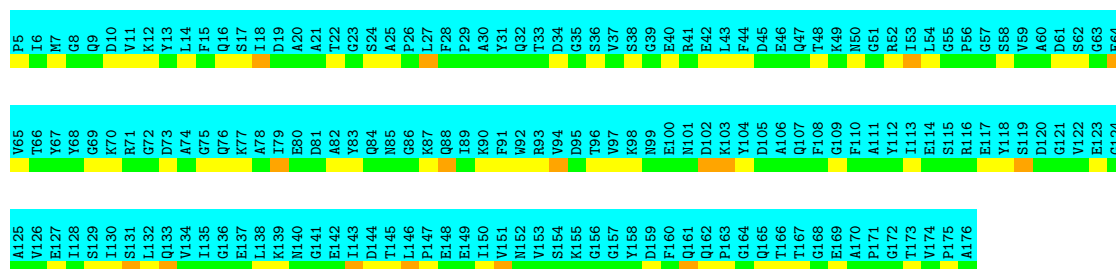
- Molecule 1: Tail tube protein gp17.1*

Chain H: 100%



- Molecule 1: Tail tube protein gp17.1*

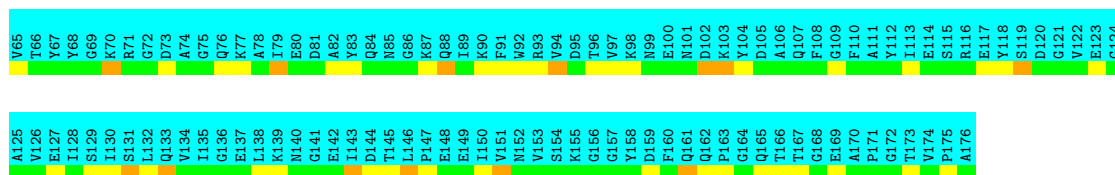
Chain I: 100%



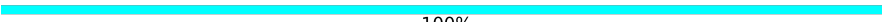
- Molecule 1: Tail tube protein gp17.1*

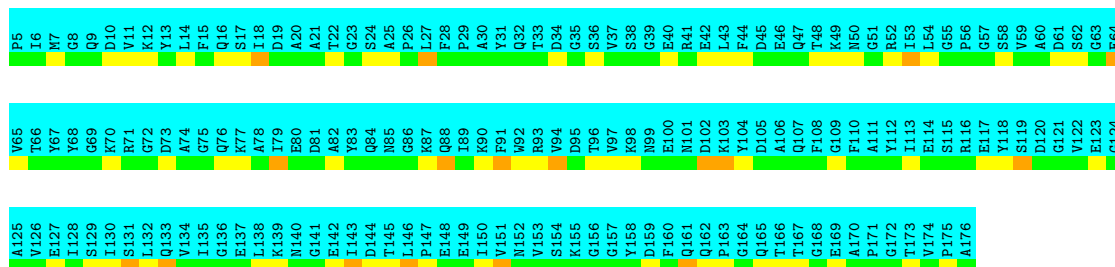
Chain J: 100%



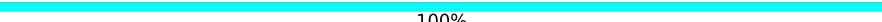


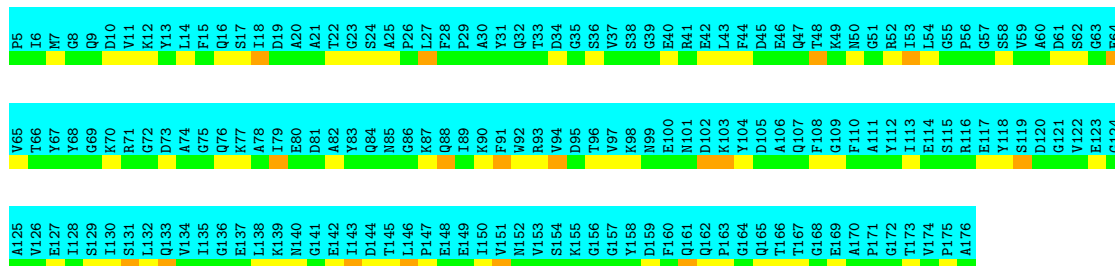
- Molecule 1: Tail tube protein gp17.1*

Chain K:  100%



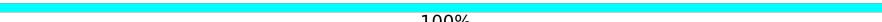
- Molecule 1: Tail tube protein gp17.1*

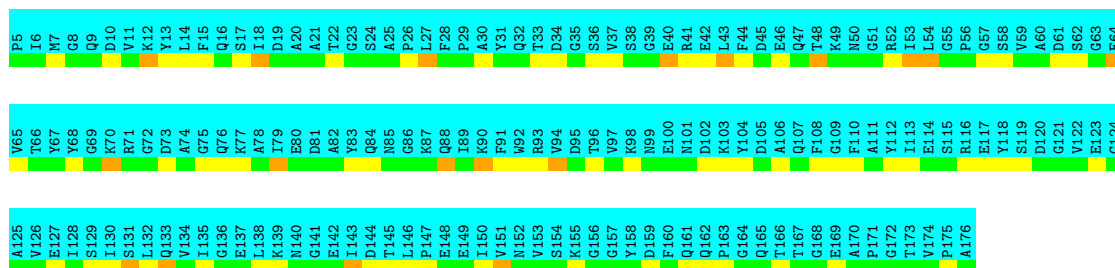
Chain L:  100%



4.2.4 Score per residue for model 4

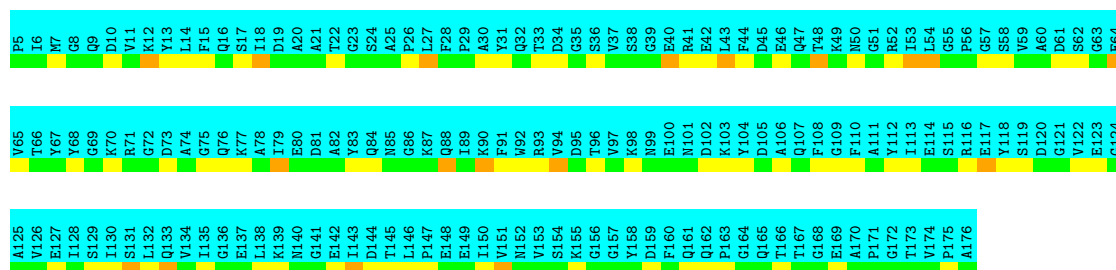
- Molecule 1: Tail tube protein gp17.1*

Chain A:  100%



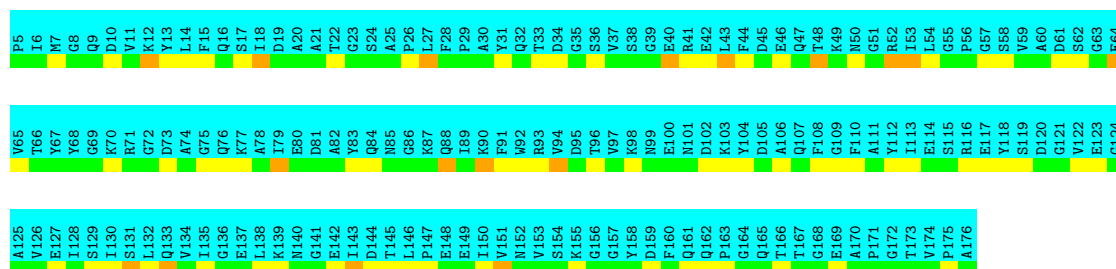
- Molecule 1: Tail tube protein gp17.1*

Chain B:  100%



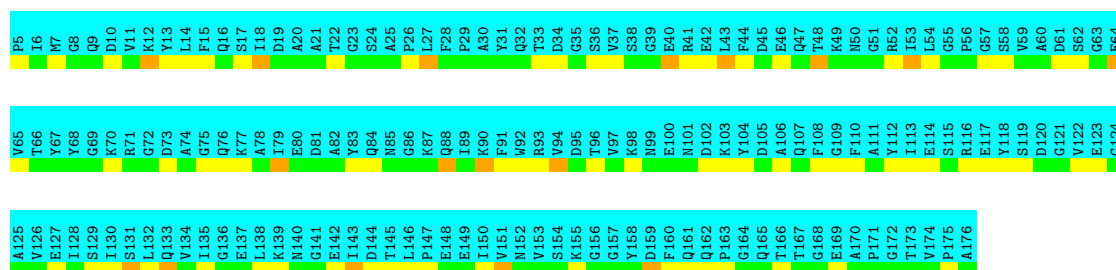
• Molecule 1: Tail tube protein gp17.1*

Chain C:



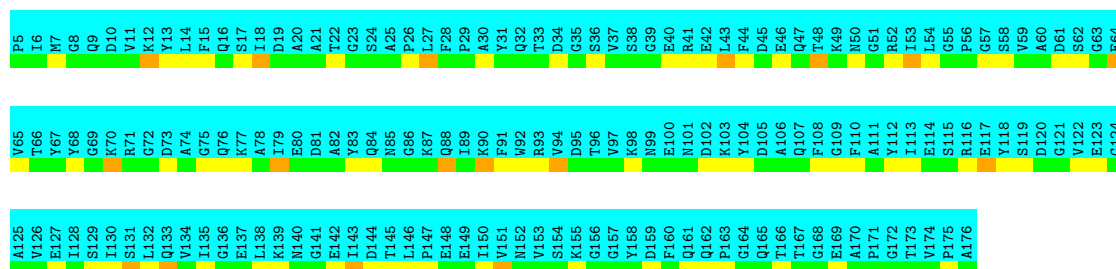
• Molecule 1: Tail tube protein gp17.1*

Chain D:



• Molecule 1: Tail tube protein gp17.1*

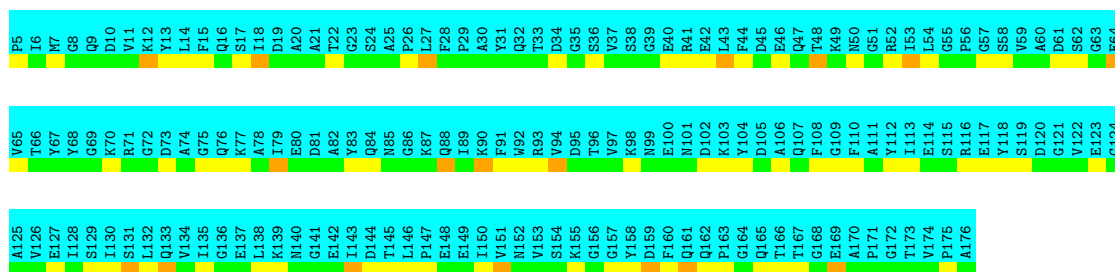
Chain E:



• Molecule 1: Tail tube protein gp17.1*

Chain F:

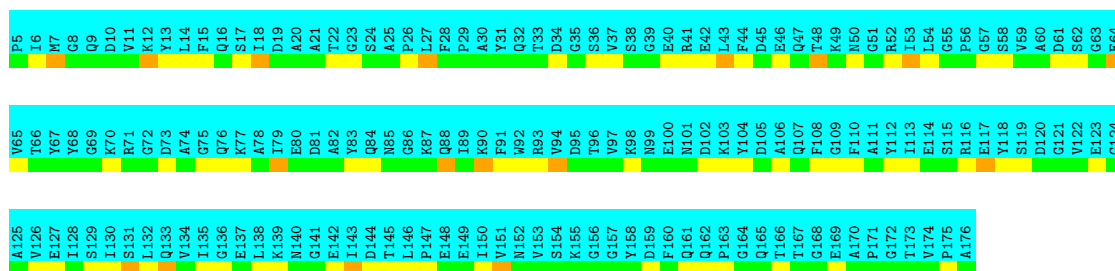




- Molecule 1: Tail tube protein gp17.1*

Chain G:

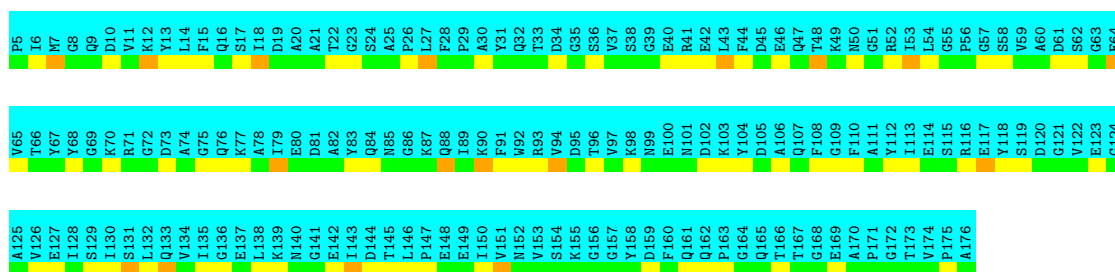
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- Molecule 1: Tail tube protein gp17.1*

Chain H:

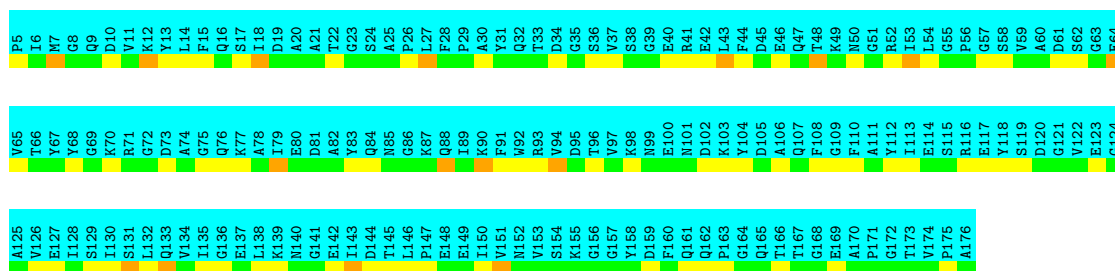
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- Molecule 1: Tail tube protein gp17.1*

Chain I:

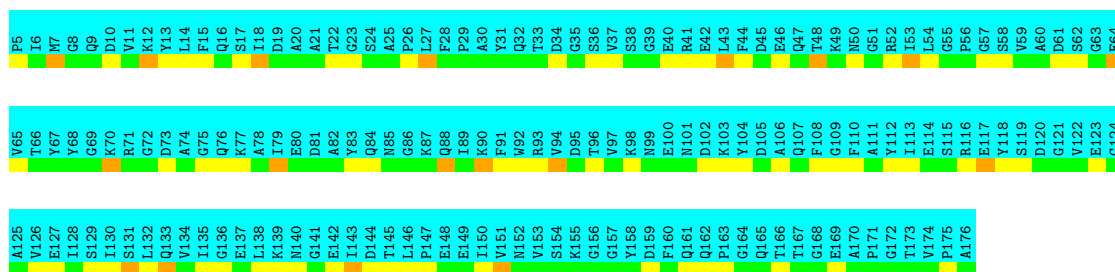
100%



- Molecule 1: Tail tube protein gp17.1*

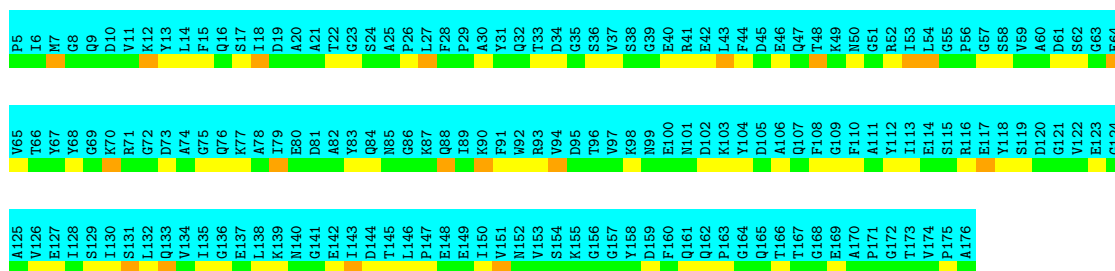
Chain J:

100%



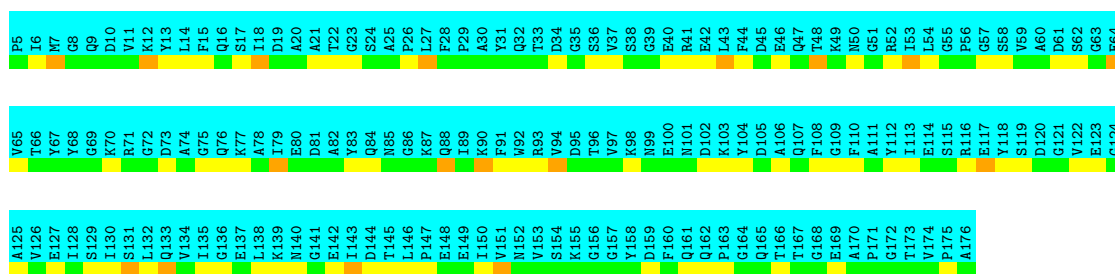
- Molecule 1: Tail tube protein gp17.1*

Chain K:



- Molecule 1: Tail tube protein gp17.1*

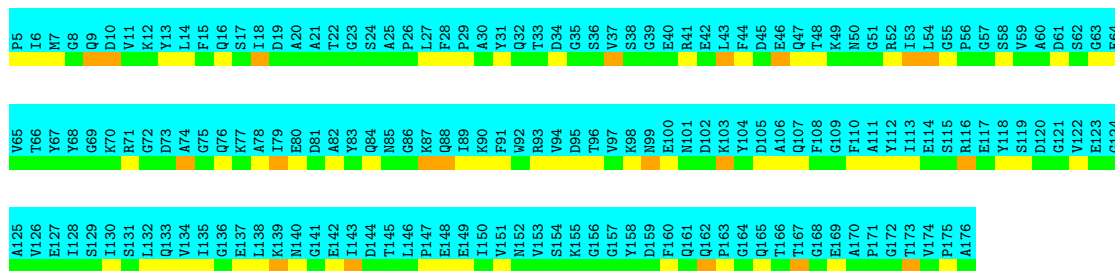
Chain L:



4.2.5 Score per residue for model 5

- Molecule 1: Tail tube protein gp17.1*

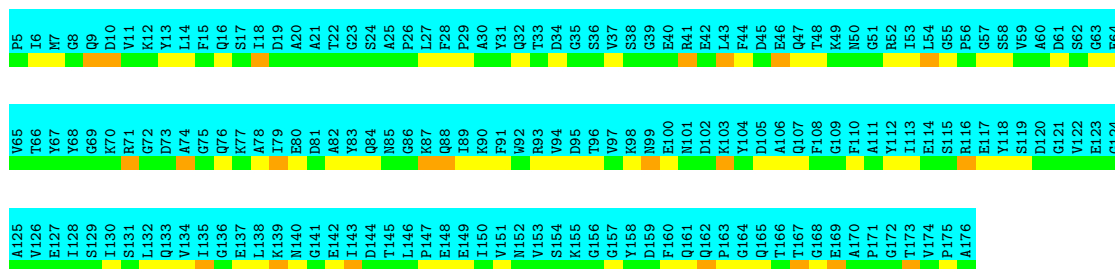
Chain A:



- Molecule 1: Tail tube protein gp17.1*

Chain F:

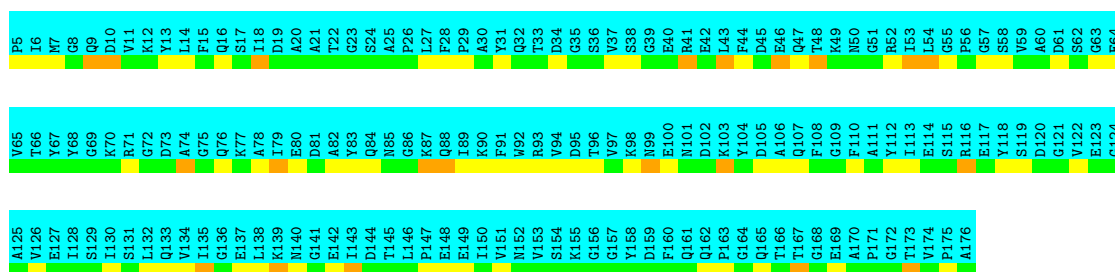
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- Molecule 1: Tail tube protein gp17.1*

Chain G:

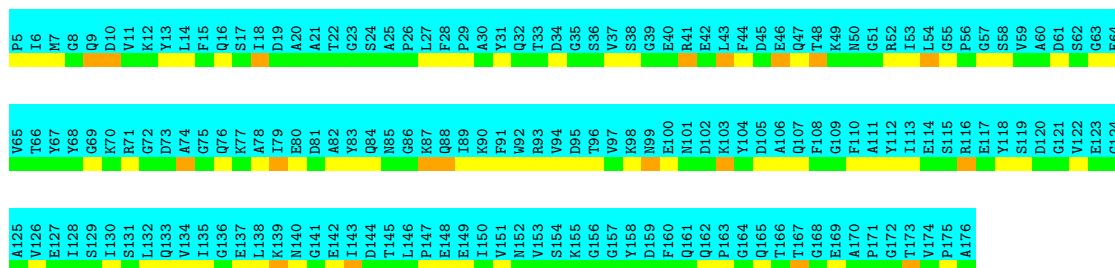
100%



- Molecule 1: Tail tube protein gp17.1*

Chain H:

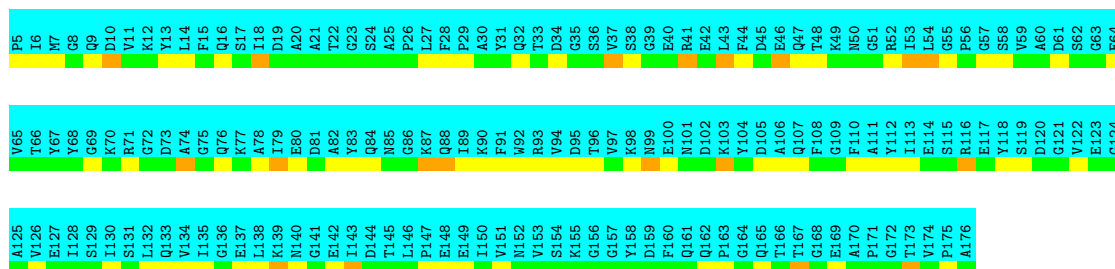
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- Molecule 1: Tail tube protein gp17.1*

Chain I:

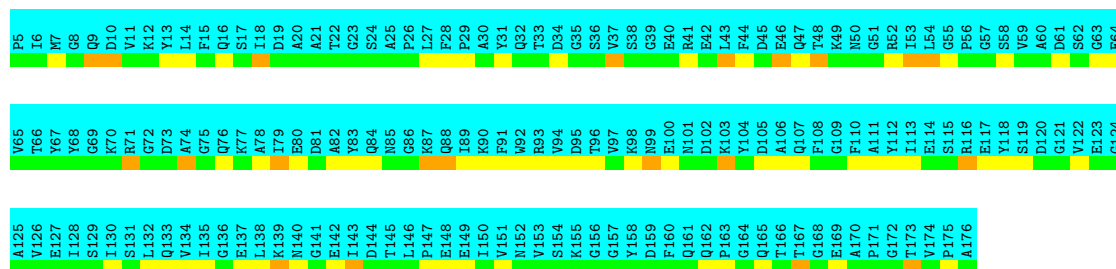
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- Molecule 1: Tail tube protein gp17.1*

Chain J:

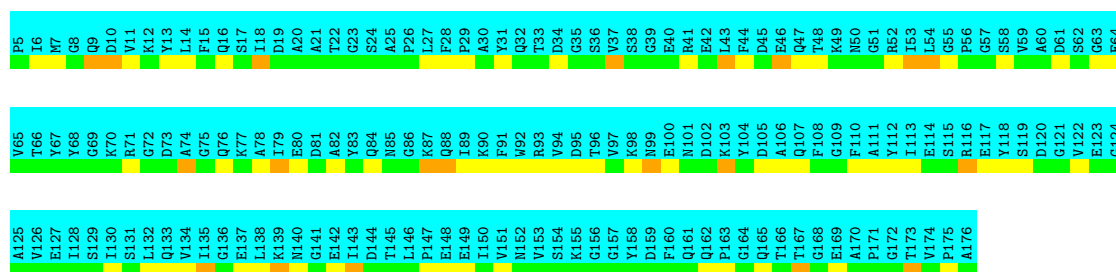
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- Molecule 1: Tail tube protein gp17.1*

Chain K:

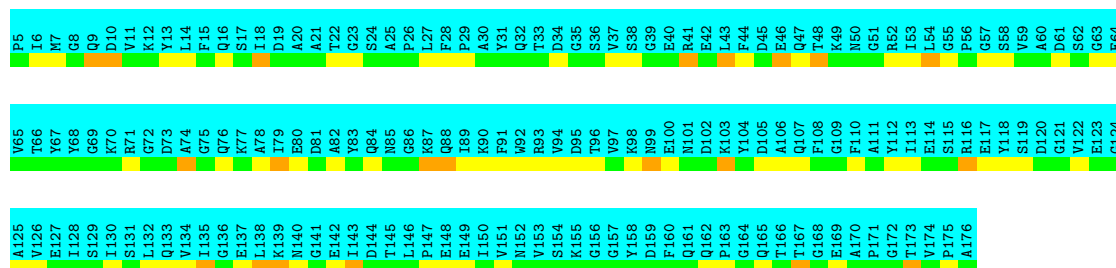
100%



- Molecule 1: Tail tube protein gp17.1*

Chain L:

100%

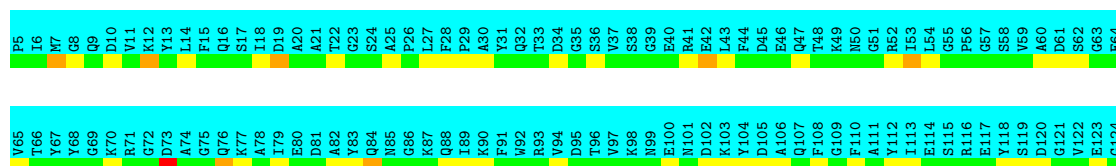


4.2.6 Score per residue for model 6

- Molecule 1: Tail tube protein gp17.1*

Chain A:

100%

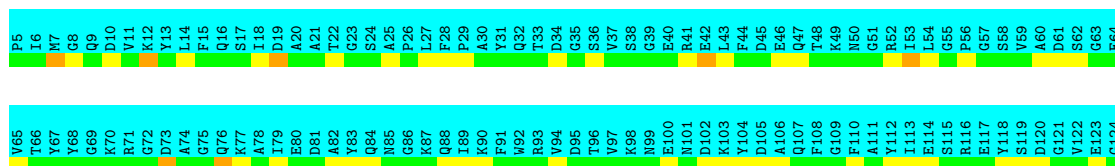




- Molecule 1: Tail tube protein gp17.1*

Chain B:

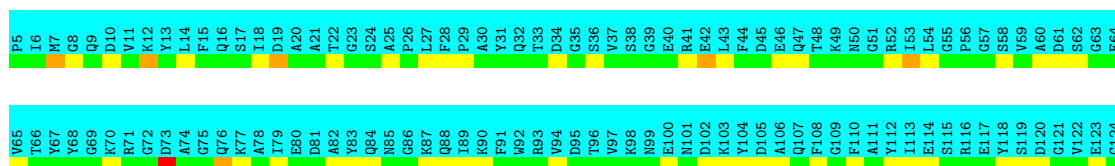
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- Molecule 1: Tail tube protein gp17.1*

Chain C:

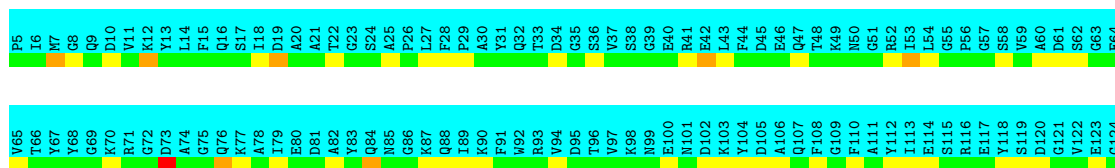
100%



- Molecule 1: Tail tube protein gp17.1*

Chain D:

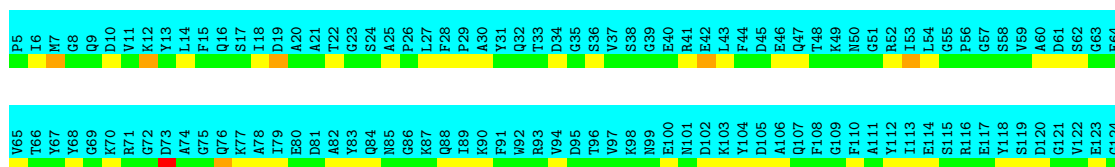
100%



- Molecule 1: Tail tube protein gp17.1*

Chain E:

100%

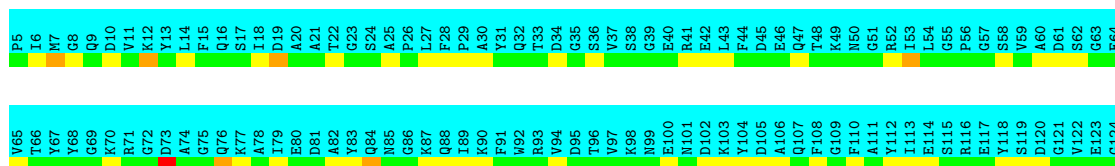




- Molecule 1: Tail tube protein gp17.1*

Chain F:

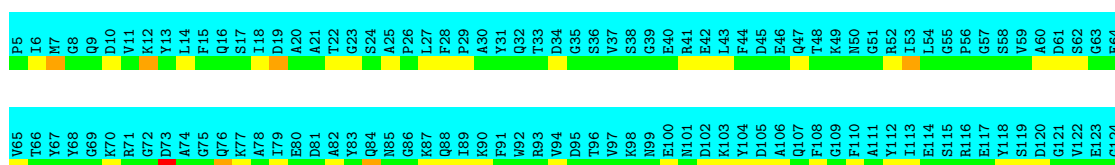
100%



- Molecule 1: Tail tube protein gp17.1*

Chain G:

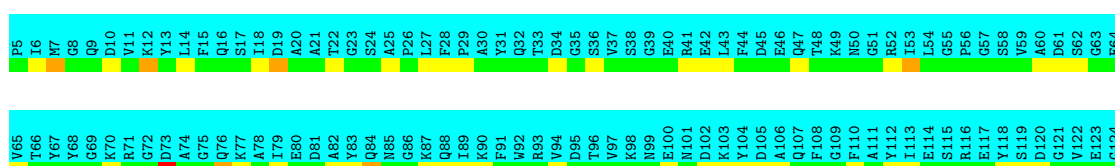
100%



- Molecule 1: Tail tube protein gp17.1*

Chain H:

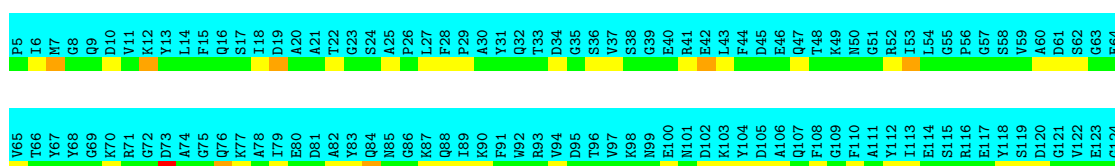
100%



- Molecule 1: Tail tube protein gp17.1*

Chain I:

100%

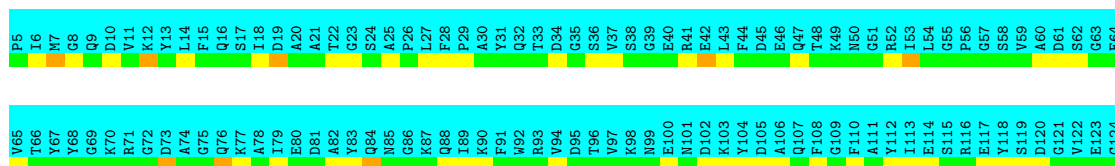




- Molecule 1: Tail tube protein gp17.1*

Chain J:

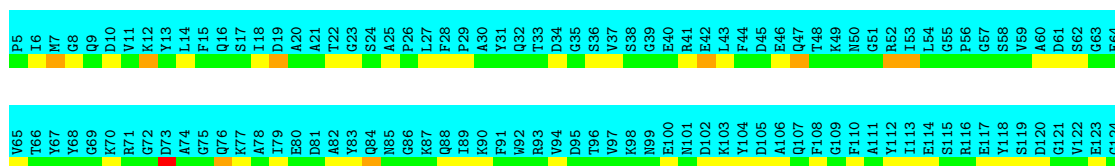
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- Molecule 1: Tail tube protein gp17.1*

Chain K:

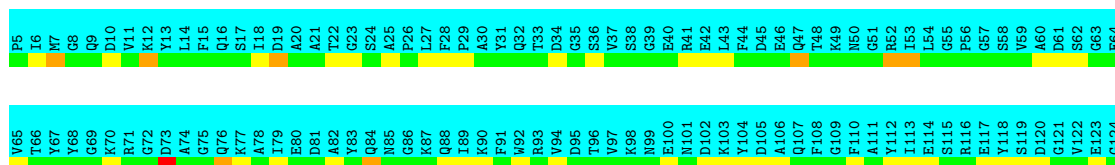
100%



- Molecule 1: Tail tube protein gp17.1*

Chain L:

100%



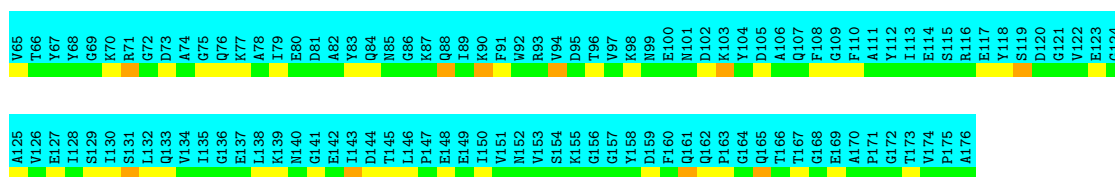
4.2.7 Score per residue for model 7

- Molecule 1: Tail tube protein gp17.1*

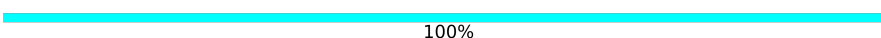
Chain A:

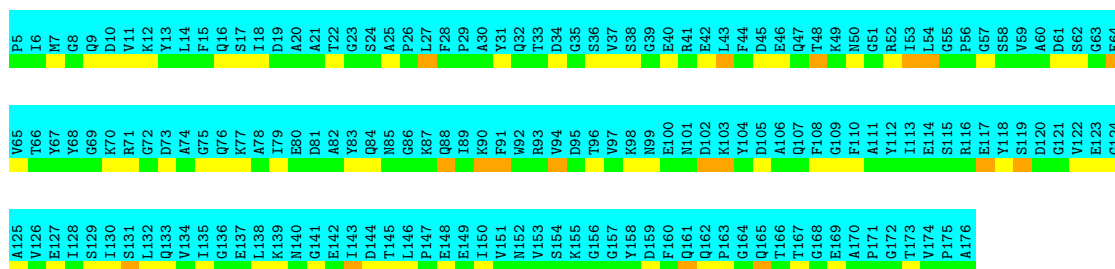
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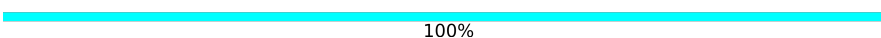


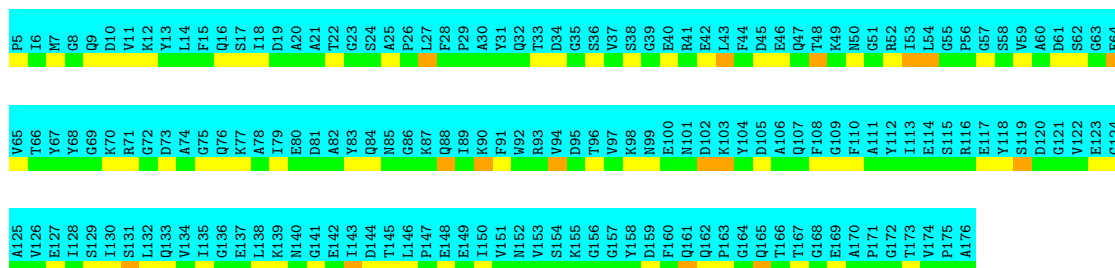
- Molecule 1: Tail tube protein gp17.1*

Chain B:  100%

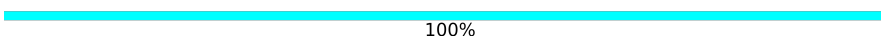


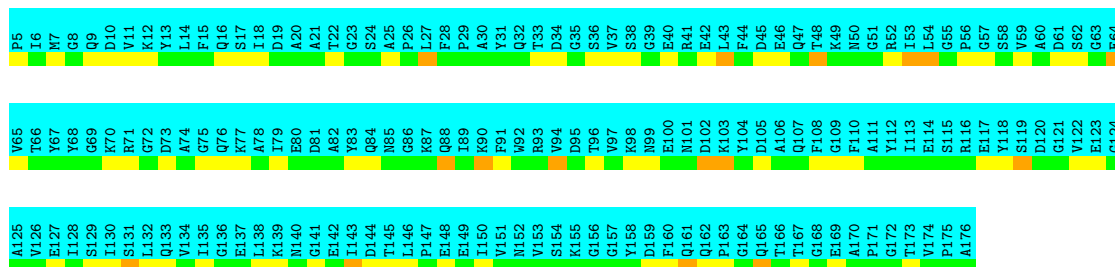
- Molecule 1: Tail tube protein gp17.1*

Chain C:  100%

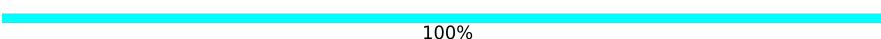


- Molecule 1: Tail tube protein gp17.1*

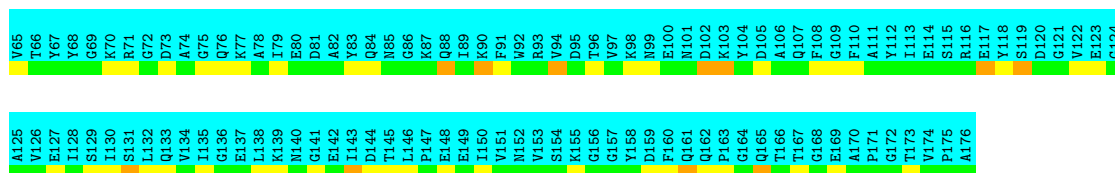
Chain D:  100%



- Molecule 1: Tail tube protein gp17.1*

Chain E:  100%

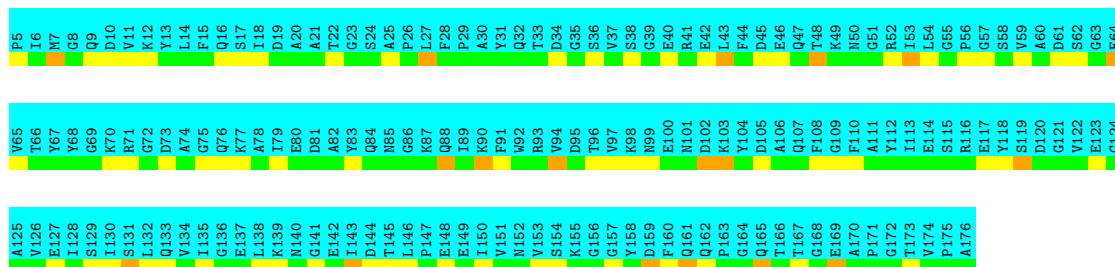




- Molecule 1: Tail tube protein gp17.1*

Chain F:

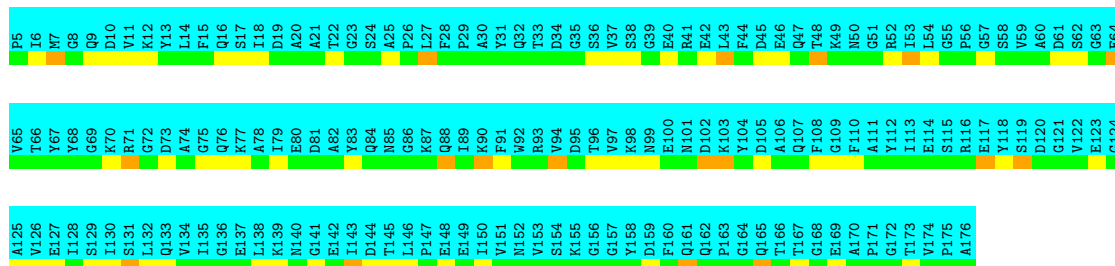
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- Molecule 1: Tail tube protein gp17.1*

Chain G:

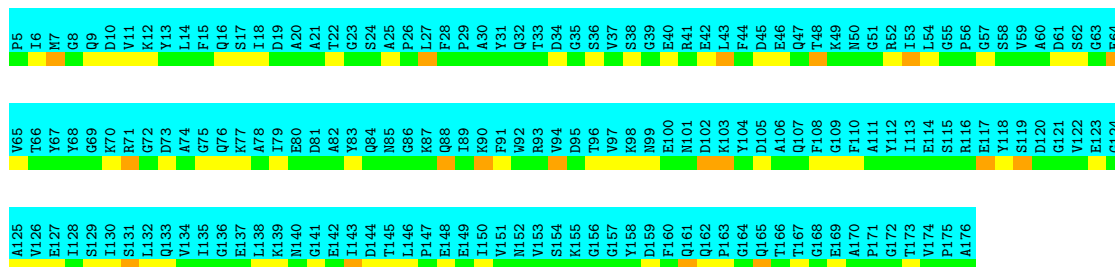
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- Molecule 1: Tail tube protein gp17.1*

Chain H:

100%

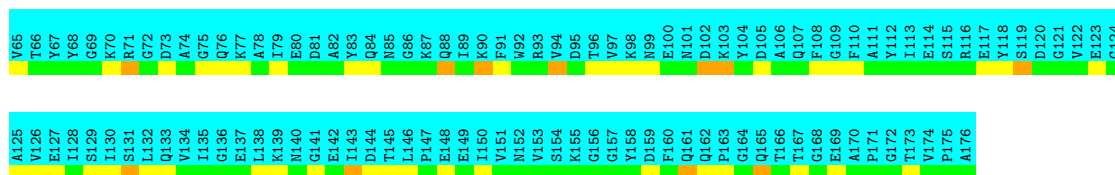


- Molecule 1: Tail tube protein gp17.1*

Chain I:

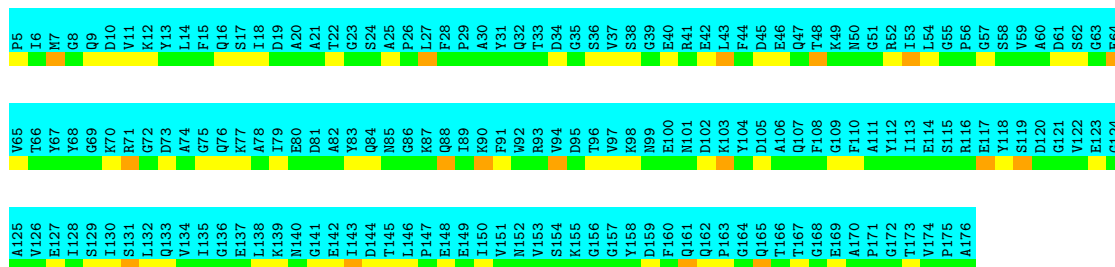
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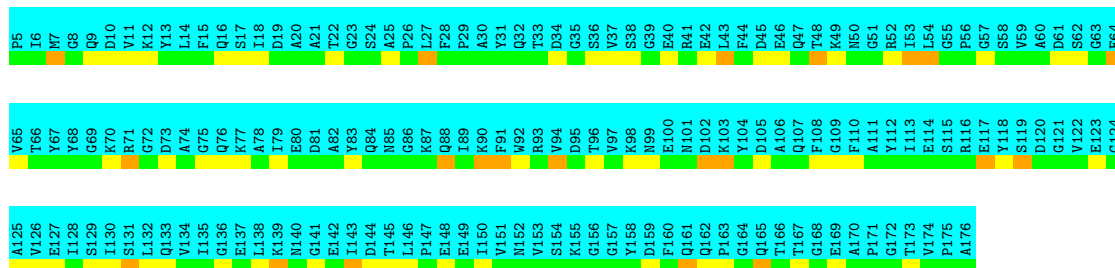
- Molecule 1: Tail tube protein gp17.1*

Chain J:



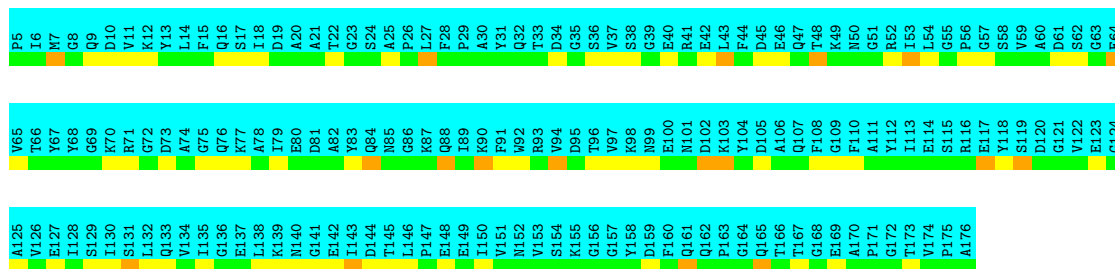
- Molecule 1: Tail tube protein gp17.1*

Chain K:



- Molecule 1: Tail tube protein gp17.1*

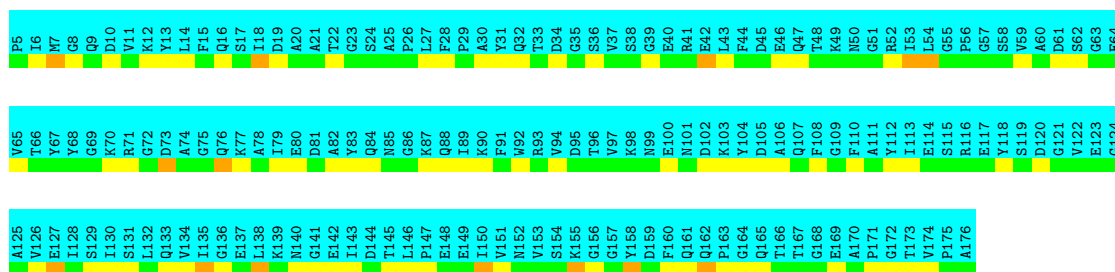
Chain L:



4.2.8 Score per residue for model 8

- Molecule 1: Tail tube protein gp17.1*

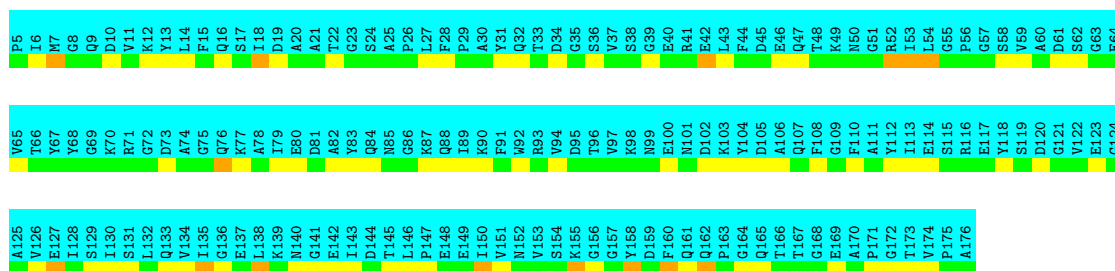
Chain A:



- Molecule 1: Tail tube protein gp17.1*

Chain B:

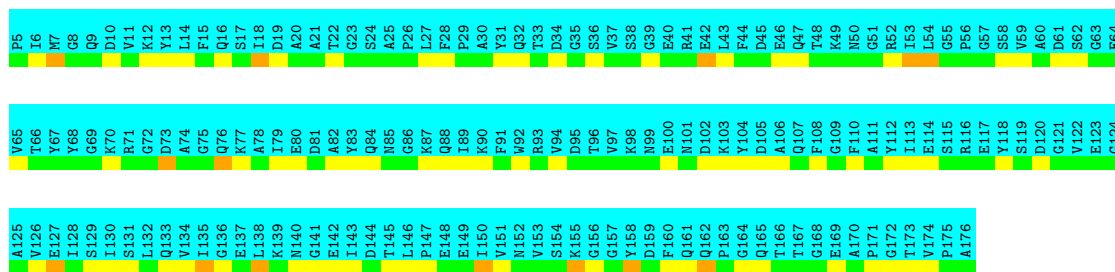
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- Molecule 1: Tail tube protein gp17.1*

Chain C:

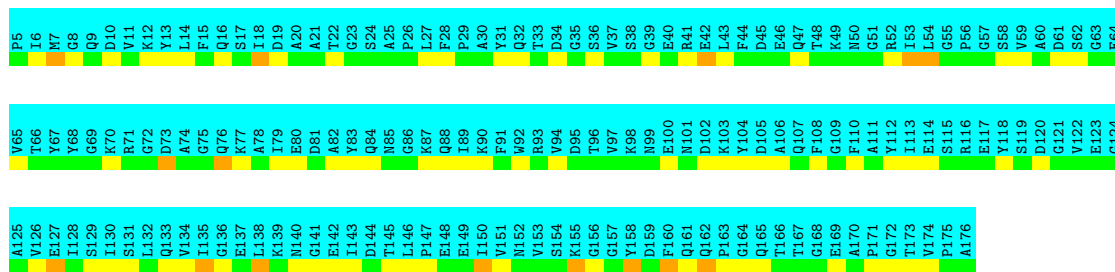
100%



- Molecule 1: Tail tube protein gp17.1*

Chain D:

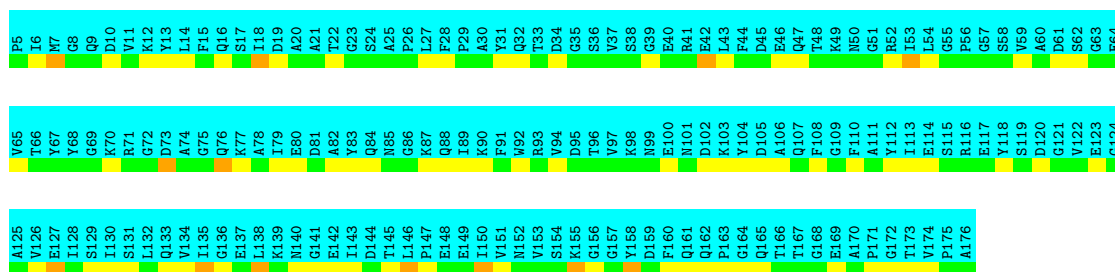
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- Molecule 1: Tail tube protein gp17.1*

Chain E:

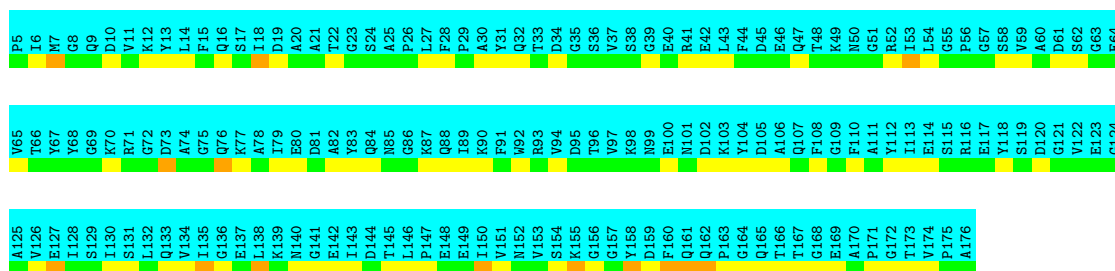
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- Molecule 1: Tail tube protein gp17.1*

Chain F:

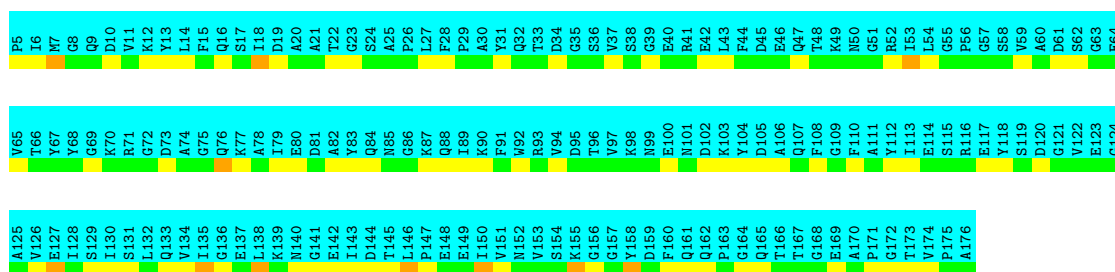
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- Molecule 1: Tail tube protein gp17.1*

Chain G:

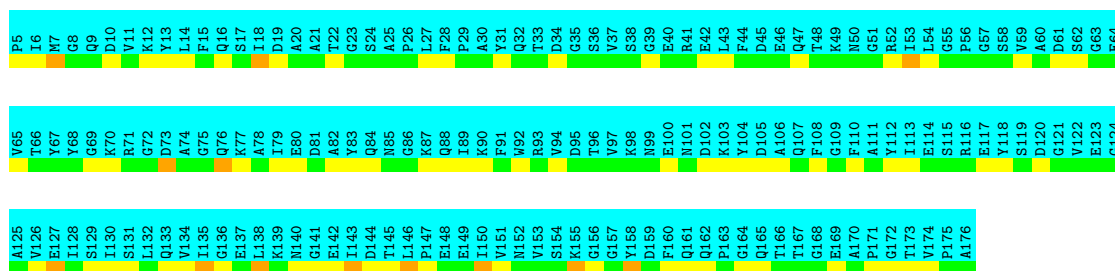
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- Molecule 1: Tail tube protein gp17.1*

Chain H:

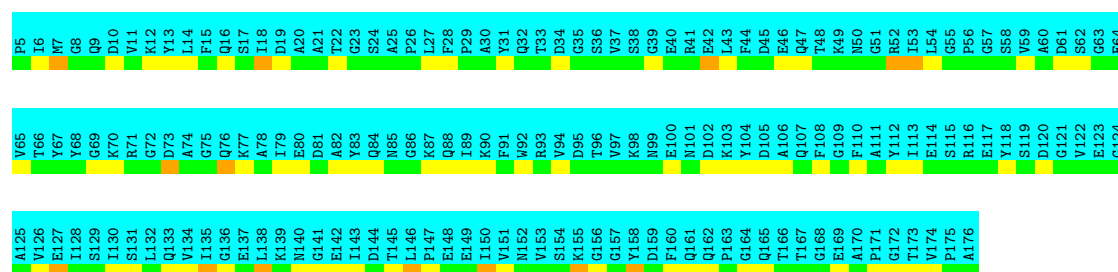
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- Molecule 1: Tail tube protein gp17.1*

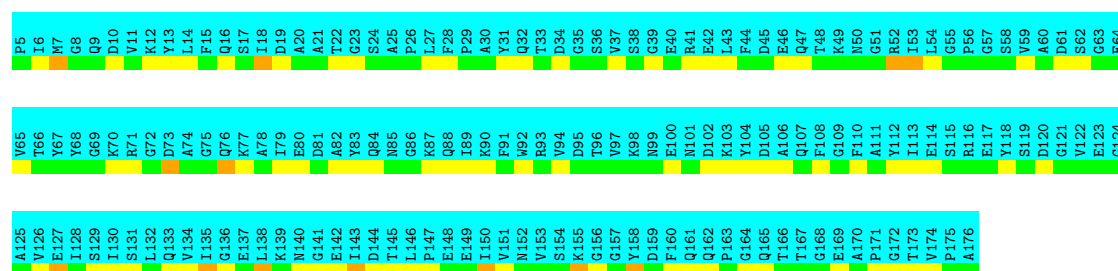
Chain I:

100%



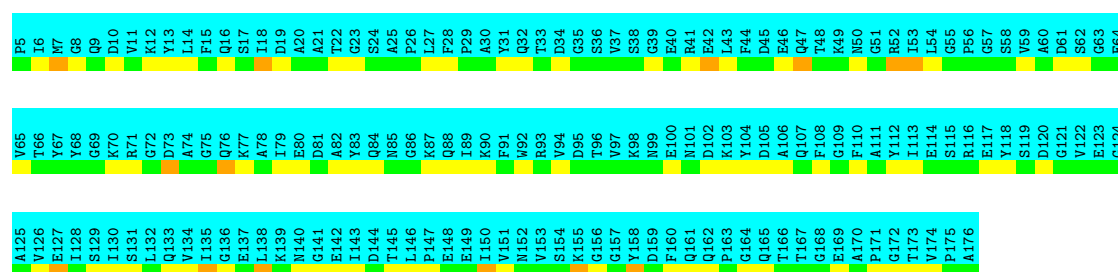
- Molecule 1: Tail tube protein gp17.1*

Chain J:



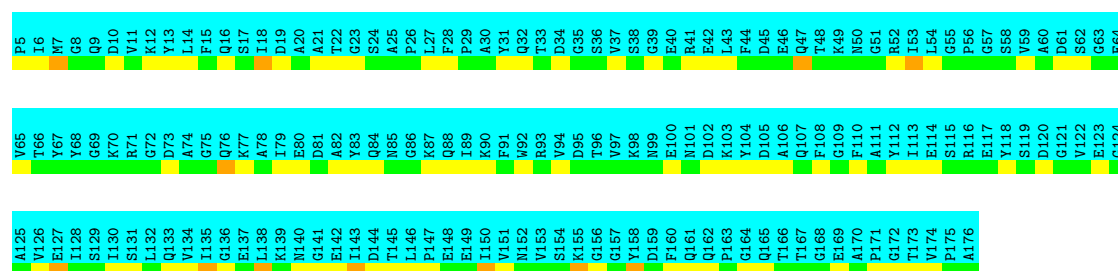
- Molecule 1: Tail tube protein gp17.1*

Chain K:



- Molecule 1: Tail tube protein gp17.1*

Chain L:



4.2.9 Score per residue for model 9

- Molecule 1: Tail tube protein gp17.1*

Chain A:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain B:

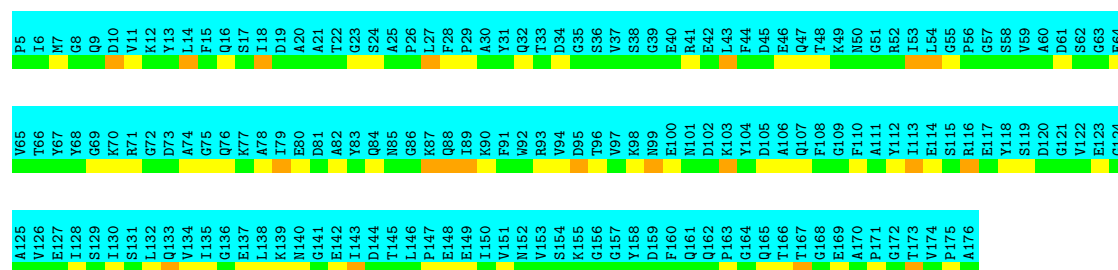
100%



- Molecule 1: Tail tube protein gp17.1*

Chain C:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain D:

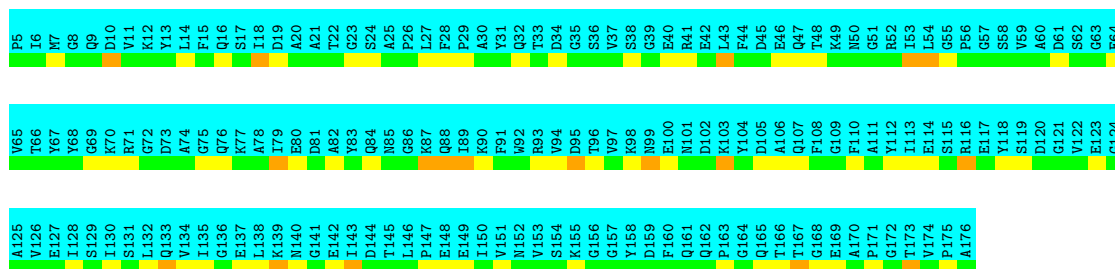
100%



- Molecule 1: Tail tube protein gp17.1*

Chain E:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain F:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain G:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain H:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain I:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain J:

100%



- Molecule 1: Tail tube protein gp17.1*

Chain K:

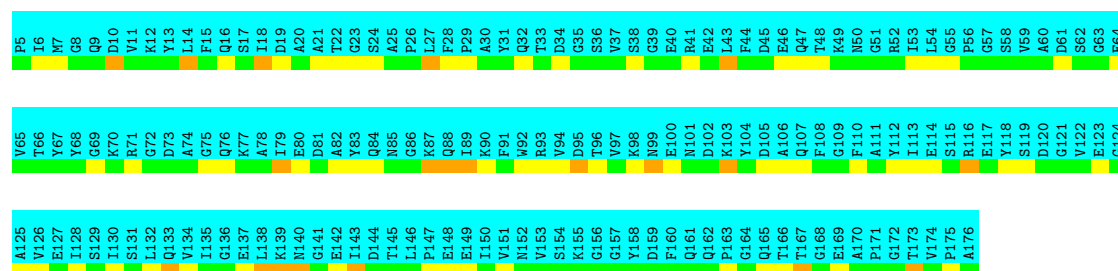
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- Molecule 1: Tail tube protein gp17.1*

Chain L:

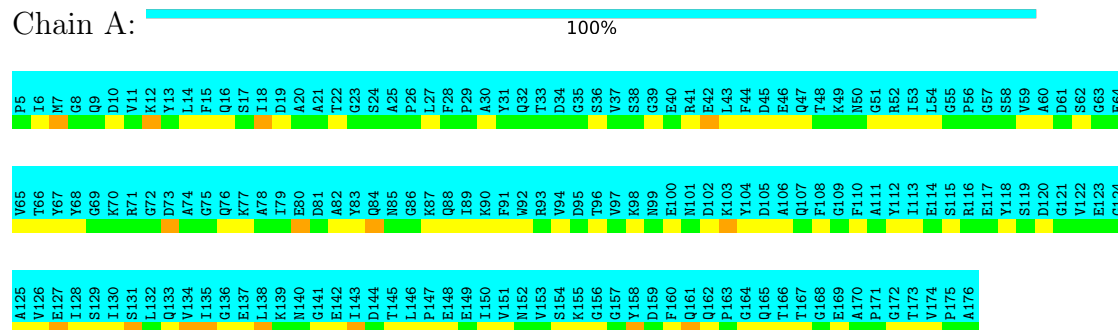
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4.2.10 Score per residue for model 10

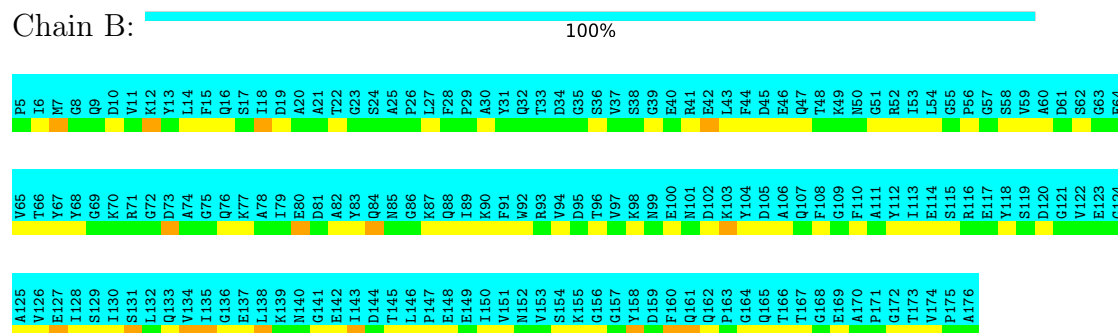
- Molecule 1: Tail tube protein gp17.1*

Chain A:



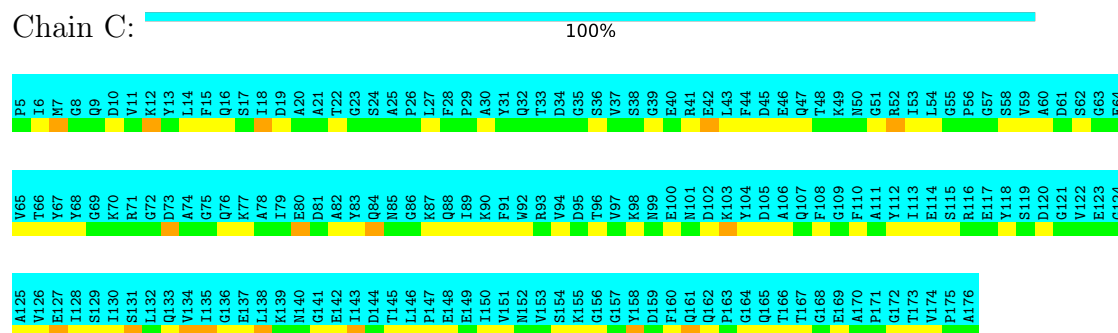
- Molecule 1: Tail tube protein gp17.1*

Chain B:



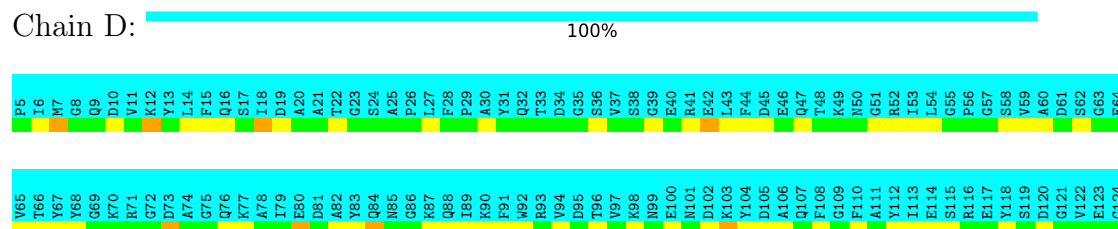
- Molecule 1: Tail tube protein gp17.1*

Chain C:



- Molecule 1: Tail tube protein gp17.1*

Chain D:

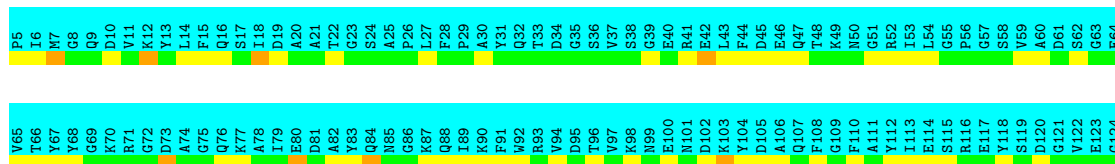




- Molecule 1: Tail tube protein gp17.1*

Chain E:

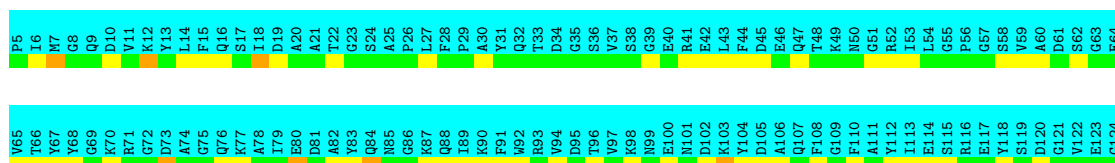
100%



- Molecule 1: Tail tube protein gp17.1*

Chain F:

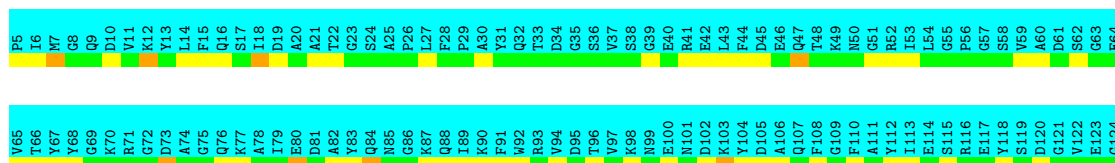
100%



- Molecule 1: Tail tube protein gp17.1*

Chain G:

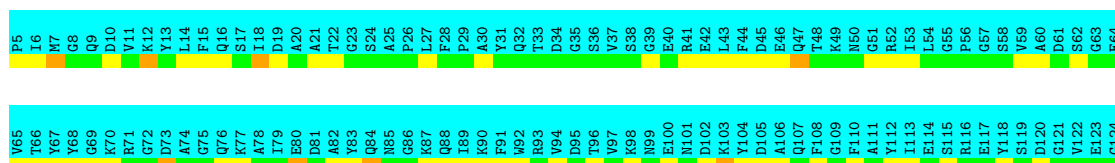
100%

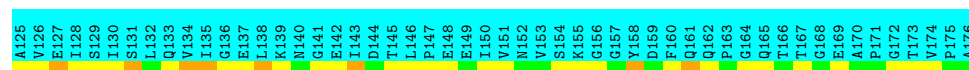


- Molecule 1: Tail tube protein gp17.1*

Chain H:

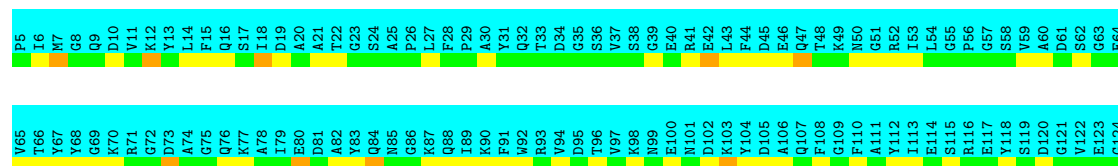
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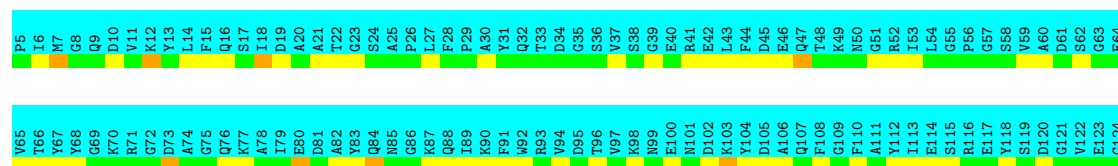
- Molecule 1: Tail tube protein gp17.1*

Chain I: 100%



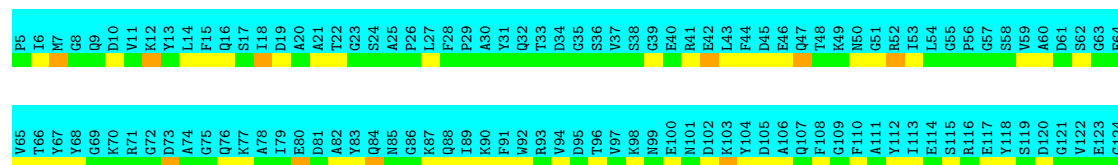
- Molecule 1: Tail tube protein gp17.1*

Chain J: 100%



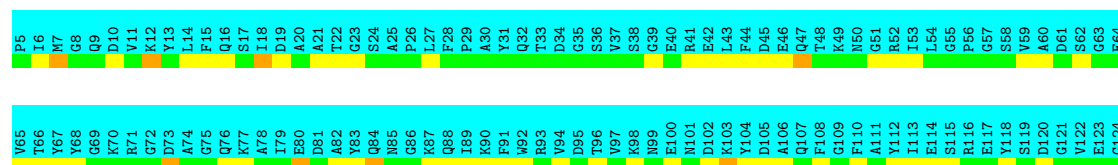
- Molecule 1: Tail tube protein gp17.1*

Chain K: 100%



- Molecule 1: Tail tube protein gp17.1*

Chain L: 100%



A125	V126	E127	I128	S129	I130	S131	L132	Q133	V134	I135	G136	E137	L138	K139	N140	G141	E142	I143	D144	T145	L146	P147	E148	E149	T150	V151	N152	V153	S154	K155	G156	G157	Y158	D159	F160	Q161	Q162	P163	G164	Q165	T166	T167	G168	E169	A170	P171	G172	T173	V174	P175	A176

5 Refinement protocol and experimental data overview

The models were refined using the following method: *na*.

Of the 500 calculated structures, 10 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
Inferential Structure Determination (ISD)	structure calculation	

No chemical shift data was provided. Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	0	0	0	0±0
1	B	0	0	0	0±0
1	C	0	0	0	0±0
1	D	0	0	0	0±0
1	E	0	0	0	0±0
1	F	0	0	0	0±0
1	G	0	0	0	0±0
1	H	0	0	0	0±0
1	I	0	0	0	0±0
1	J	0	0	0	0±0
1	K	0	0	0	0±0
1	L	0	0	0	0±0
All	All	0	0	0	-

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 -.

There are no clashes.

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	0	-	-	-	-
1	B	0	-	-	-	-
1	C	0	-	-	-	-
1	D	0	-	-	-	-
1	E	0	-	-	-	-
1	F	0	-	-	-	-
1	G	0	-	-	-	-
1	H	0	-	-	-	-
1	I	0	-	-	-	-
1	J	0	-	-	-	-
1	K	0	-	-	-	-
1	L	0	-	-	-	-
All	All	0	-	-	-	-

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	0	-	-	-
1	B	0	-	-	-
1	C	0	-	-	-
1	D	0	-	-	-
1	E	0	-	-	-
1	F	0	-	-	-
1	G	0	-	-	-
1	H	0	-	-	-
1	I	0	-	-	-
1	J	0	-	-	-

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	K	0	-	-	-
1	L	0	-	-	-
All	All	0	-	-	-

There are no protein residues with a non-rotameric sidechain to report.

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 oligosaccharides 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.

CHEMICAL-SHIFTS INFOmissingINFO

7 NMR restraints analysis

7.1 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	1321
Intra-residue ($ i-j =0$)	21
Sequential ($ i-j =1$)	186
Medium range ($ i-j >1$ and $ i-j <5$)	141
Long range ($ i-j \geq 5$)	865
Inter-chain	0
Hydrogen bond restraints	108
Disulfide bond restraints	0
Total dihedral-angle restraints	2880
Number of unmapped restraints	0
Number of restraints per residue	2.0
Number of long range restraints per residue ¹	0.5

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

7.2 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.

7.2.1 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)	27.1	0.2
0.2-0.5 (Medium)	37.1	0.5
>0.5 (Large)	648.4	70.55

7.2.2 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)	635.5	10.0
10.0-20.0 (Medium)	391.6	20.0
>20.0 (Large)	755.8	174.89

8 Distance violation analysis ⓘ

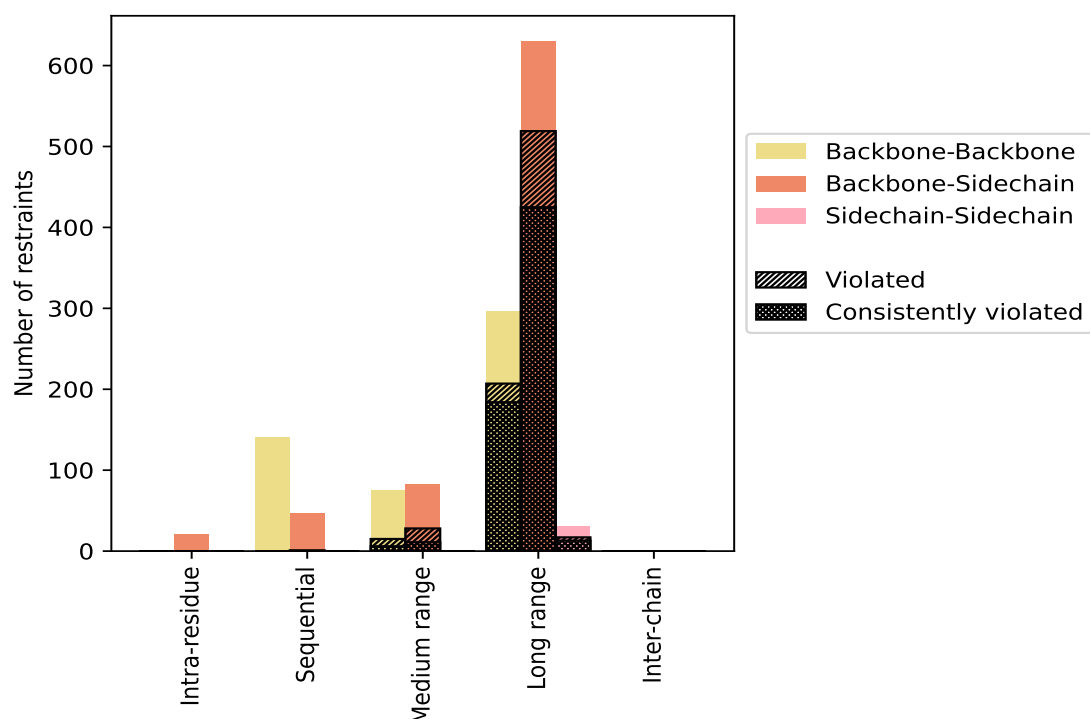
8.1 Summary of distance violations ⓘ

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restraints type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	21	1.6	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	21	1.6	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	186	14.1	1	0.5	0.1	0	0.0	0.0
Backbone-Backbone	140	10.6	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	46	3.5	1	2.2	0.1	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	141	10.7	35	24.8	2.6	15	10.6	1.1
Backbone-Backbone	75	5.7	15	20.0	1.1	6	8.0	0.5
Backbone-Sidechain	66	5.0	20	30.3	1.5	9	13.6	0.7
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Long range ($i-j \geq 5$)	865	65.5	680	78.6	51.5	608	70.3	46.0
Backbone-Backbone	296	22.4	207	69.9	15.7	184	62.2	13.9
Backbone-Sidechain	538	40.7	456	84.8	34.5	411	76.4	31.1
Sidechain-Sidechain	31	2.3	17	54.8	1.3	13	41.9	1.0
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	108	8.2	71	65.7	5.4	16	14.8	1.2
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1321	100.0	787	59.6	59.6	639	48.4	48.4
Backbone-Backbone	511	38.7	222	43.4	16.8	190	37.2	14.4
Backbone-Sidechain	779	59.0	548	70.3	41.5	436	56.0	33.0
Sidechain-Sidechain	31	2.3	17	54.8	1.3	13	41.9	1.0

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

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



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

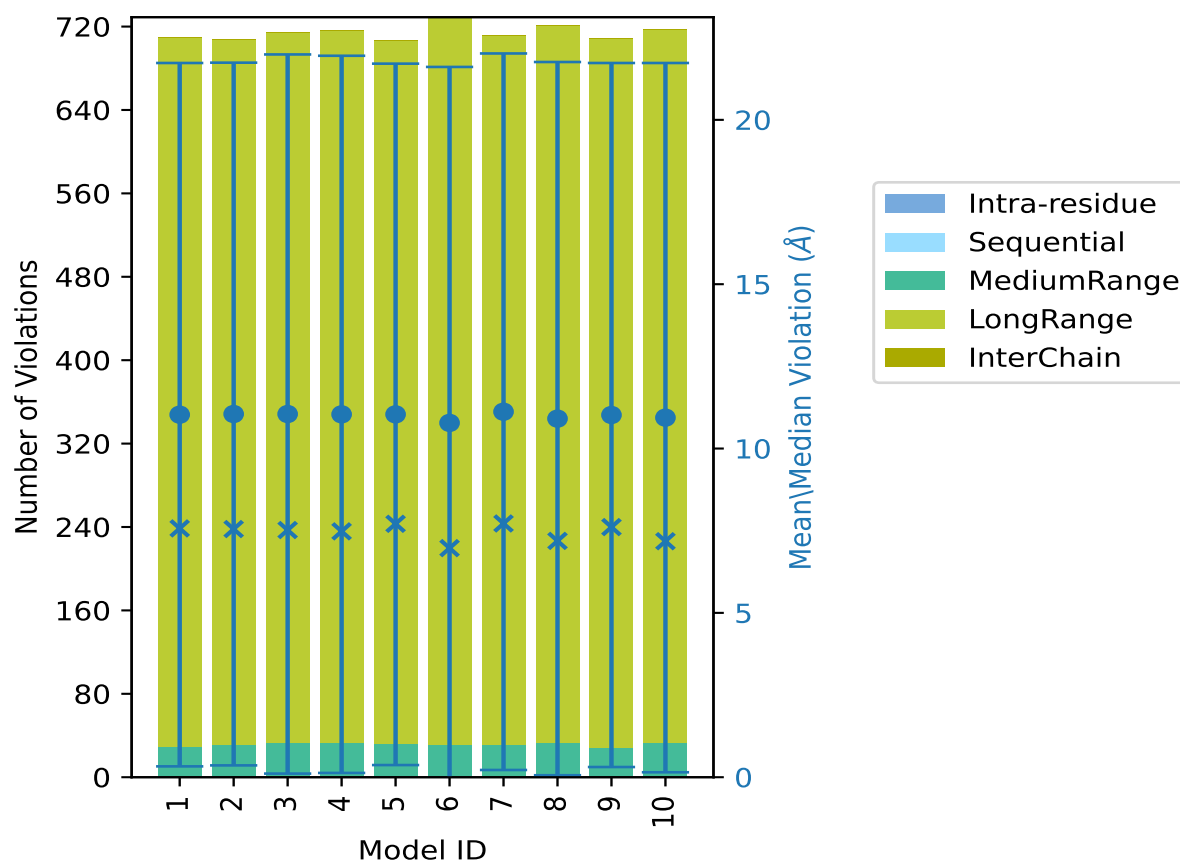
8.2 Distance violation statistics for each model [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	0	1	28	681	0	710	11.03	66.1	10.7	7.57
2	0	1	30	677	0	708	11.05	66.32	10.69	7.55
3	0	1	32	681	0	714	11.05	69.31	10.94	7.52
4	0	1	32	683	0	716	11.04	69.18	10.91	7.48
5	0	1	31	675	0	707	11.04	66.09	10.67	7.71
6	0	1	30	698	0	729	10.78	70.48	10.83	6.97
7	0	1	30	680	0	711	11.12	69.09	10.9	7.72
8	0	1	32	688	0	721	10.91	70.55	10.85	7.19
9	0	0	28	681	0	709	11.02	66.23	10.71	7.61
10	0	1	32	684	0	717	10.94	70.33	10.79	7.18

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

8.2.1 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

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

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 497(IR:21, SQ:185, MR:106, LR:185, 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	7	0	8	1	10.0
0	0	3	3	0	6	2	20.0
0	0	3	12	0	15	3	30.0

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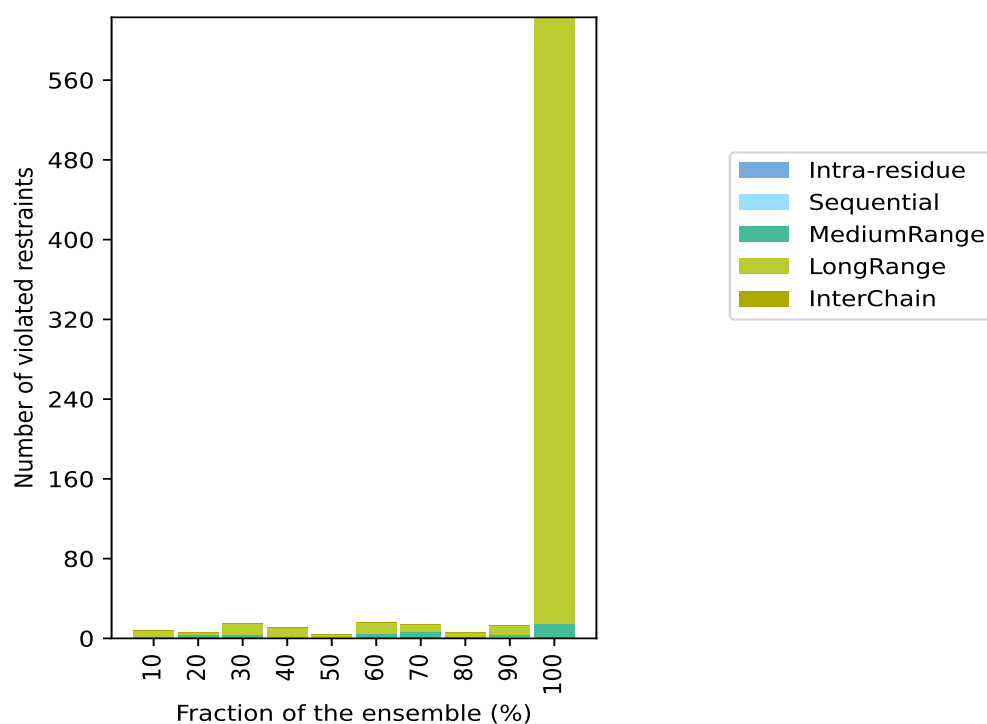
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	0	0	11	0	11	4	40.0
0	0	0	4	0	4	5	50.0
0	0	4	12	0	16	6	60.0
0	0	6	8	0	14	7	70.0
0	0	1	5	0	6	8	80.0
0	1	2	10	0	13	9	90.0
0	0	15	608	0	623	10	100.0

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

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

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

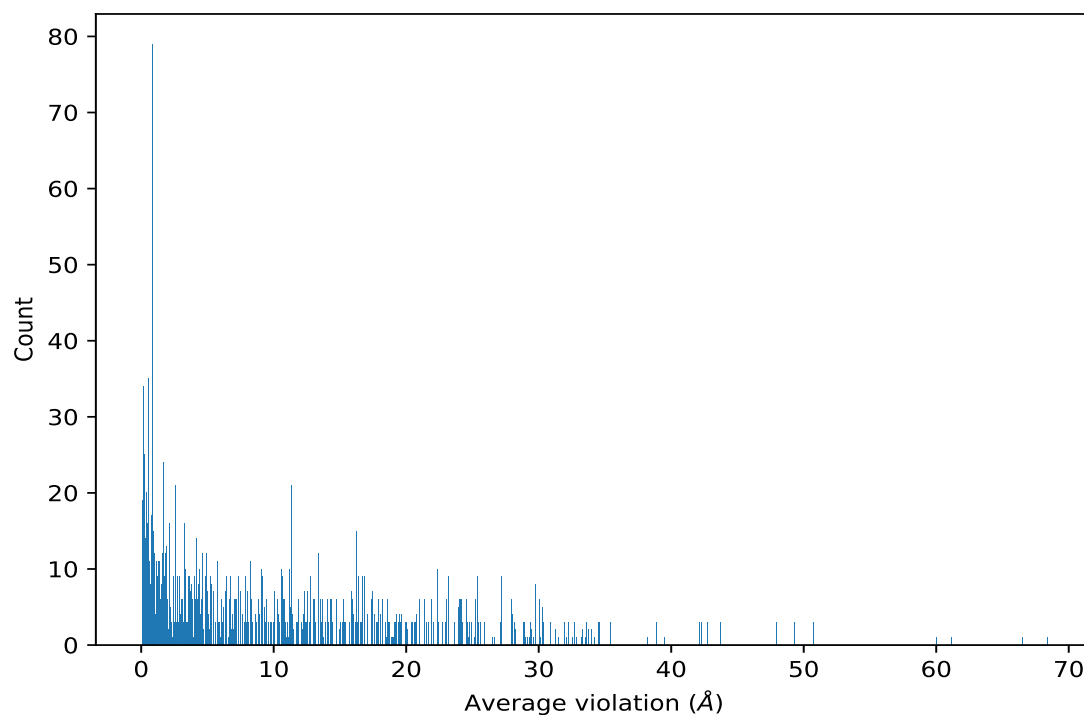


8.4 Most violated distance restraints in the ensemble [i](#)

8.4.1 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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	10	68.37	1.85	69.14
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	10	66.48	1.26	66.8
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	10	61.13	0.5	60.88
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	10	60.0	0.13	60.02
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	10	50.7	0.87	50.26
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	10	50.7	0.87	50.26
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	10	50.7	0.87	50.26
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	10	49.28	0.95	49.18
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	10	49.28	0.95	49.18
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	10	49.28	0.95	49.18
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	10	47.96	1.1	48.52
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	10	47.96	1.1	48.52
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	10	47.96	1.1	48.52
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	10	43.71	0.79	44.02
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	10	43.71	0.79	44.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	10	43.71	0.79	44.02
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	10	42.73	0.47	42.54
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	10	42.73	0.47	42.54
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	10	42.73	0.47	42.54
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	10	42.27	0.53	42.3
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	10	42.27	0.53	42.3
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	10	42.27	0.53	42.3
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	10	42.11	0.96	42.34
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	10	42.11	0.96	42.34
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	10	42.11	0.96	42.34
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	10	39.5	0.73	39.22
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	10	38.89	0.61	39.01
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	10	38.89	0.61	39.01
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	10	38.89	0.61	39.01
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	10	38.19	0.6	38.4
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	10	35.43	1.75	35.84
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	10	35.43	1.75	35.84
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	10	35.43	1.75	35.84
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	10	34.64	0.15	34.66
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	10	34.64	0.15	34.66
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	10	34.64	0.15	34.66
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	10	34.45	0.31	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	10	34.45	0.31	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	10	34.45	0.31	34.31
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	10	34.18	0.42	33.98
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	10	33.97	0.66	34.37
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	10	33.97	0.66	34.37
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	10	33.73	0.59	33.76
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	10	33.73	0.59	33.76
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	10	33.61	0.79	34.1
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	10	33.61	0.79	34.1
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	10	33.61	0.79	34.1
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	10	33.53	0.99	34.16
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	10	33.25	0.81	33.42
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	10	33.25	0.81	33.42
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	10	33.21	0.78	33.13
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	10	32.82	0.25	32.73
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	10	32.74	0.51	32.66
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	10	32.74	0.51	32.66
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	10	32.74	0.51	32.66
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	10	32.5	0.64	32.85
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	10	32.28	1.21	32.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	10	32.28	1.21	32.35
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	10	32.28	1.21	32.35
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	10	32.21	0.89	32.59
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	10	32.11	1.04	32.87
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	10	31.94	0.13	31.9
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	10	31.94	0.13	31.9
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	10	31.94	0.13	31.9
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	10	31.48	0.5	31.76
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	10	31.29	0.42	31.26
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	10	31.25	0.66	31.27
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	10	30.85	0.31	30.74
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	10	30.85	0.31	30.74
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	10	30.85	0.31	30.74
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	10	30.36	0.5	30.62
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	10	30.36	0.5	30.62
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	10	30.36	0.5	30.62
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	10	30.26	0.12	30.26
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	10	30.26	0.12	30.26
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	10	30.25	0.96	30.94
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	10	30.25	0.96	30.94
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	10	30.25	0.96	30.94
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	10	30.1	0.58	30.2
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	10	30.09	0.97	30.79
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	10	30.09	0.97	30.79
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	10	30.09	0.97	30.79
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	10	30.09	0.97	30.79
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	10	30.09	0.97	30.79
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	10	30.09	0.97	30.79
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	10	29.72	0.65	29.88
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	10	29.72	0.65	29.88
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	10	29.72	0.67	30.06
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	10	29.72	0.67	30.06
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	10	29.72	0.67	30.06
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	10	29.72	0.67	30.06
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	10	29.72	0.67	30.06
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	10	29.72	0.67	30.06
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	10	29.59	0.67	29.96
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	10	29.48	0.8	29.72
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	10	29.48	0.8	29.72
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	10	29.35	0.25	29.34
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	10	29.35	0.25	29.34
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	10	29.35	0.25	29.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	10	29.32	0.18	29.35
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	10	29.17	0.46	29.07
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	10	29.01	0.58	28.72
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	10	28.92	0.39	28.76
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	10	28.92	0.39	28.76
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	10	28.92	0.39	28.76
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	10	28.86	0.52	28.69
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	10	28.86	0.52	28.69
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	10	28.86	0.52	28.69
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	10	28.28	1.05	29.01
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	10	28.28	1.05	29.01
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	10	28.2	0.99	28.59
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	10	28.2	0.99	28.59
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	10	28.2	0.99	28.59
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	10	28.04	0.43	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	10	28.04	0.43	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	10	28.04	0.43	27.83
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	10	28.04	0.88	27.6
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	10	27.98	0.81	27.98
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	10	27.98	0.81	27.98
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	10	27.98	0.81	27.98
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	10	27.97	0.19	28.0
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	10	27.97	0.19	28.0
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	10	27.97	0.19	28.0
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	10	27.19	0.58	26.96
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	10	27.19	0.58	26.96
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	10	27.19	0.58	26.96
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	10	27.18	0.54	27.4
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	10	27.18	0.54	27.4
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	10	27.18	0.54	27.4
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	10	27.16	0.34	27.22
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	10	27.16	0.34	27.22
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	10	27.16	0.34	27.22
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	10	27.15	0.21	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	10	27.15	0.21	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	10	27.15	0.21	27.12
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	10	26.66	1.1	27.46
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	10	26.46	0.26	26.53
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	10	25.94	0.36	26.12
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	10	25.94	0.36	26.12
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	10	25.94	0.36	26.12
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	10	25.9	0.43	26.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	10	25.9	0.43	26.0
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	10	25.9	0.43	26.0
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	10	25.61	0.82	25.72
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	10	25.61	0.82	25.72
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	10	25.61	0.82	25.72
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	10	25.45	0.51	25.38
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	10	25.45	0.51	25.38
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	10	25.45	0.51	25.38
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	10	25.36	0.19	25.38
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	10	25.36	0.19	25.38
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	10	25.36	0.19	25.38
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	10	25.36	0.19	25.38
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	10	25.36	0.19	25.38
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	10	25.36	0.19	25.38
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	10	25.36	0.89	25.22
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	10	25.36	0.89	25.22
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	10	25.36	0.89	25.22
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	10	25.24	0.47	25.02
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	10	25.24	0.47	25.02
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	10	25.24	0.47	25.02
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	10	25.24	1.22	25.96
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	10	25.24	1.22	25.96
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	10	25.24	1.22	25.96
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	10	25.11	0.98	25.48
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	10	24.93	0.18	24.93
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	10	24.93	0.18	24.93
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	10	24.93	0.18	24.93
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	10	24.76	0.35	24.84
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	10	24.76	0.35	24.84
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	10	24.76	0.35	24.84
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	10	24.74	0.29	24.67
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	10	24.6	0.94	25.27
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	10	24.6	0.94	25.27
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	10	24.6	0.94	25.27
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	10	24.51	0.17	24.5
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	10	24.51	0.17	24.5
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	10	24.51	0.17	24.5
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	10	24.51	0.17	24.5
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	10	24.51	0.17	24.5
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	10	24.51	0.17	24.5
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	10	24.26	0.47	24.26
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	10	24.26	0.47	24.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	10	24.26	0.47	24.26
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	10	24.19	1.36	24.77
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	10	24.19	1.36	24.77
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	10	24.19	1.36	24.77
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	10	24.19	1.36	24.77
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	10	24.19	1.36	24.77
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	10	24.19	1.36	24.77
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	10	24.15	0.97	24.12
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	10	24.15	0.97	24.12
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	10	24.15	0.97	24.12
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	10	24.08	0.7	23.94
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	10	24.08	0.7	23.94
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	10	24.08	0.7	23.94
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	10	24.08	0.7	24.46
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	10	24.08	0.7	24.46
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	10	24.08	0.7	24.46
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	10	24.02	1.19	24.84
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	10	24.02	1.19	24.84
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	10	24.02	1.19	24.84
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	10	24.01	0.18	24.03
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	10	24.01	0.18	24.03
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	10	24.01	0.18	24.03
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	10	23.99	0.35	23.96
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	10	23.99	0.35	23.96
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	10	23.98	0.77	24.15
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	10	23.98	0.77	24.15
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	10	23.98	0.77	24.15
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	10	23.95	0.7	23.66
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	10	23.67	0.76	23.91
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	10	23.67	0.76	23.91
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	10	23.67	0.76	23.91
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	10	23.64	1.15	22.82
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	10	23.64	1.15	22.82
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	10	23.64	1.15	22.82
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	10	23.23	0.85	23.04
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	10	23.23	0.85	23.04
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	10	23.23	0.85	23.04
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	10	23.23	0.15	23.21
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	10	23.23	0.15	23.21
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	10	23.23	0.15	23.21
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	10	23.23	0.15	23.21
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	10	23.23	0.15	23.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	10	23.23	0.15	23.21
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	10	23.17	1.24	23.7
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	10	23.17	1.24	23.7
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	10	23.17	1.24	23.7
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	10	23.17	0.43	23.35
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	10	23.17	0.71	23.33
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	10	23.17	0.71	23.33
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	10	23.17	0.71	23.33
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	10	23.06	0.16	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	10	23.06	0.16	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	10	23.06	0.16	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	10	23.06	0.16	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	10	23.06	0.16	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	10	23.06	0.16	23.04
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	10	22.99	0.4	22.98
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	10	22.99	0.4	22.98
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	10	22.99	0.4	22.98
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	10	22.73	0.59	22.97
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	10	22.73	0.59	22.97
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	10	22.73	0.59	22.97
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	10	22.47	1.14	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	10	22.47	1.14	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	10	22.47	1.14	23.08
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	10	22.42	0.61	22.52
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	10	22.42	0.61	22.52
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	10	22.42	0.61	22.52
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	10	22.39	0.2	22.46
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	10	22.39	0.2	22.46
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	10	22.39	0.2	22.46
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	10	22.37	0.63	22.53
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	10	22.37	0.63	22.53
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	10	22.37	0.63	22.53
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	10	22.37	0.97	23.06
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	10	22.37	0.97	23.06
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	10	22.37	0.97	23.06
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	10	22.36	1.09	22.1
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	10	22.08	1.15	21.46
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	10	22.08	1.15	21.46
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	10	22.08	1.15	21.46
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	10	21.95	0.65	22.26
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	10	21.95	0.65	22.26
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	10	21.95	0.65	22.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	10	21.92	0.31	21.97
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	10	21.92	0.31	21.97
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	10	21.92	0.31	21.97
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	10	21.66	0.4	21.8
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	10	21.66	0.4	21.8
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	10	21.66	0.4	21.8
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	10	21.51	1.23	21.25
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	10	21.51	1.23	21.25
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	10	21.51	1.23	21.25
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	10	21.39	0.84	21.22
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	10	21.39	0.84	21.22
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	10	21.39	0.84	21.22
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	10	21.39	0.89	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	10	21.39	0.89	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	10	21.39	0.89	21.87
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	10	20.98	0.38	21.01
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	10	20.98	0.38	21.01
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	10	20.98	0.38	21.01
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	10	20.98	0.38	21.01
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	10	20.98	0.38	21.01
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	10	20.98	0.38	21.01
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	10	20.78	0.67	21.08
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	10	20.78	0.67	21.08
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	10	20.78	0.67	21.08
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	10	20.77	0.51	20.95
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	10	20.72	0.77	20.44
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	10	20.72	0.77	20.44
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	10	20.72	0.77	20.44
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	10	20.6	0.72	20.72
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	10	20.6	0.72	20.72
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	10	20.6	0.72	20.72
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	10	20.47	0.78	20.88
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	10	20.47	0.78	20.88
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	10	20.47	0.78	20.88
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	10	20.44	0.53	20.7
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	10	20.44	0.53	20.7
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	10	20.44	0.53	20.7
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	10	20.08	0.35	20.22
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	10	20.08	0.35	20.22
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	10	20.04	0.57	19.84
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	10	20.04	0.57	19.84
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	10	20.04	0.57	19.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	10	19.96	0.42	19.81
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	10	19.95	0.2	19.9
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	10	19.95	0.2	19.9
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	10	19.95	0.2	19.9
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	10	19.63	0.66	19.94
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	10	19.63	0.66	19.94
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	10	19.63	0.66	19.94
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	10	19.6	0.35	19.76
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	10	19.57	0.52	19.58
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	10	19.57	0.52	19.58
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	10	19.57	0.52	19.58
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	10	19.54	1.63	20.22
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	10	19.54	1.63	20.22
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	10	19.54	1.63	20.22
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	10	19.52	0.31	19.48
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	10	19.48	0.43	19.28
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	10	19.48	0.43	19.28
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	10	19.48	0.43	19.28
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	10	19.42	0.48	19.4
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	10	19.42	0.48	19.4
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	10	19.42	0.48	19.4
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	10	19.29	0.75	18.9
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	10	19.29	0.75	18.9
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	10	19.29	0.75	18.9
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	10	19.27	0.3	19.26
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	10	19.21	0.35	19.32
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	10	19.21	0.35	19.32
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	10	19.21	0.35	19.32
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	10	19.15	0.39	19.25
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	10	19.15	0.39	19.25
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	10	19.15	0.39	19.25
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	10	19.03	0.33	19.19
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	10	18.97	0.36	19.03
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	10	18.9	0.35	18.8
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	10	18.7	1.41	18.49
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	10	18.7	1.41	18.49
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	10	18.7	1.41	18.49
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	10	18.68	0.53	18.53
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	10	18.68	0.53	18.53
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	10	18.68	0.53	18.53
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	10	18.57	0.12	18.57
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	10	18.57	0.12	18.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	10	18.57	0.12	18.57
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	10	18.56	1.08	18.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	10	18.56	1.08	18.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	10	18.56	1.08	18.14
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	10	18.54	0.35	18.44
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	10	18.46	0.24	18.38
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	10	18.46	0.24	18.38
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	10	18.46	0.24	18.38
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	10	18.2	0.27	18.26
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	10	18.2	0.27	18.26
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	10	18.2	0.27	18.26
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	10	18.2	0.27	18.26
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	10	18.2	0.27	18.26
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	10	18.2	0.27	18.26
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	10	18.02	0.27	17.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	10	18.01	0.73	18.12
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	10	18.01	0.73	18.12
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	10	18.01	0.73	18.12
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	10	17.88	0.33	17.87
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	10	17.88	0.33	17.87
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	10	17.88	0.33	17.87
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	10	17.87	1.01	18.08
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	10	17.87	1.01	18.08
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	10	17.87	1.01	18.08
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	10	17.83	1.04	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	10	17.83	1.04	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	10	17.83	1.04	18.54
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	10	17.76	0.43	17.61
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	10	17.76	0.43	17.61
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	10	17.76	0.43	17.61
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	10	17.74	0.36	17.76
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	10	17.63	0.43	17.69
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	10	17.63	0.43	17.69
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	10	17.63	0.43	17.69
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	10	17.61	0.3	17.63
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	10	17.46	0.35	17.63
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	10	17.42	0.31	17.48
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	10	17.42	0.31	17.48
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	10	17.42	0.31	17.48
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	10	17.42	0.31	17.48
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	10	17.42	0.31	17.48
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	10	17.42	0.31	17.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	10	17.41	0.33	17.31
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	10	17.36	0.14	17.42
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	10	17.36	0.14	17.42
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	10	17.36	0.14	17.42
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	10	17.35	1.18	17.38
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	10	17.35	1.18	17.38
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	10	17.35	1.18	17.38
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	10	17.08	0.73	16.76
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	10	17.08	0.73	16.76
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	10	17.08	0.73	16.76
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	10	17.06	0.32	16.98
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	10	16.88	0.66	16.71
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	10	16.88	0.66	16.71
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	10	16.88	0.66	16.71
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	10	16.85	0.95	16.87
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	10	16.85	0.95	16.87
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	10	16.85	0.95	16.87
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	10	16.85	0.22	16.83
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	10	16.85	0.22	16.83
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	10	16.85	0.22	16.83
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	10	16.72	0.46	16.76
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	10	16.72	0.46	16.76
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	10	16.72	0.46	16.76
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	10	16.72	0.46	16.76
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	10	16.72	0.46	16.76
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	10	16.72	0.46	16.76
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	10	16.7	0.78	16.77
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	10	16.7	0.78	16.77
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	10	16.7	0.78	16.77
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	10	16.68	0.97	16.86
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	10	16.68	0.97	16.86
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	10	16.68	0.97	16.86
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	10	16.63	0.85	16.42
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	10	16.63	0.85	16.42
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	10	16.63	0.85	16.42
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	10	16.55	0.17	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	10	16.55	0.17	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	10	16.55	0.17	16.52
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	10	16.51	0.77	16.9
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	10	16.5	0.21	16.52
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	10	16.44	0.18	16.45
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	10	16.4	0.21	16.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	10	16.4	0.21	16.43
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	10	16.4	0.21	16.43
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	10	16.37	1.01	15.8
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	10	16.37	1.01	15.8
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	10	16.37	1.01	15.8
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	10	16.36	0.29	16.45
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	10	16.36	0.29	16.45
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	10	16.36	0.29	16.45
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	10	16.32	0.69	16.41
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	10	16.32	0.69	16.41
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	10	16.32	0.69	16.41
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	10	16.23	0.26	16.26
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	10	16.23	0.26	16.26
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	10	16.23	0.26	16.26
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	10	16.23	0.58	16.17
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	10	16.23	0.58	16.17
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	10	16.23	0.58	16.17
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	10	16.23	0.31	16.11
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	10	16.23	0.31	16.11
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	10	16.23	0.31	16.11
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	10	16.23	0.31	16.11
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	10	16.23	0.31	16.11
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	10	16.23	0.31	16.11
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	10	16.21	0.54	16.26
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	10	16.21	0.54	16.26
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	10	16.21	0.54	16.26
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	10	16.18	0.11	16.22
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	10	16.18	0.11	16.22
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	10	16.18	0.11	16.22
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	10	16.04	0.14	16.08
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	10	16.0	0.51	16.23
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	10	16.0	0.51	16.23
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	10	16.0	0.51	16.23
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	10	15.97	0.87	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	10	15.97	0.87	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	10	15.97	0.87	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	10	15.97	0.87	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	10	15.97	0.87	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	10	15.97	0.87	16.6
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	10	15.87	0.73	16.27
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	10	15.87	0.73	16.27
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	10	15.87	0.73	16.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	10	15.87	0.47	16.15
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	10	15.86	0.33	15.7
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	10	15.86	0.33	15.7
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	10	15.86	0.33	15.7
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	10	15.74	1.01	15.72
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	10	15.74	1.01	15.72
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	10	15.74	1.01	15.72
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	10	15.41	0.17	15.43
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	10	15.41	0.17	15.43
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	10	15.41	0.17	15.43
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	10	15.32	0.86	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	10	15.32	0.86	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	10	15.32	0.86	14.81
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	10	15.26	0.19	15.23
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	10	15.26	0.19	15.23
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	10	15.26	0.19	15.23
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	10	15.26	0.19	15.23
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	10	15.26	0.19	15.23
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	10	15.26	0.19	15.23
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	10	15.23	0.47	15.38
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	10	15.23	0.47	15.38
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	10	15.23	0.47	15.38
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	10	15.04	0.31	14.95
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	10	15.04	0.31	14.95
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	10	15.04	0.31	14.95
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	10	14.97	0.42	14.96
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	10	14.96	0.32	14.78
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	10	14.73	0.22	14.84
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	10	14.73	0.22	14.84
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	10	14.73	0.22	14.84
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	10	14.73	0.22	14.84
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	10	14.73	0.22	14.84
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	10	14.73	0.22	14.84
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	10	14.46	0.3	14.37
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	10	14.42	0.33	14.5
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	10	14.42	0.33	14.5
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	10	14.42	0.33	14.5
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	10	14.39	0.1	14.42
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	10	14.31	0.14	14.34
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	10	14.31	0.14	14.34
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	10	14.31	0.14	14.34
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	10	14.31	0.14	14.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	10	14.31	0.14	14.34
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	10	14.31	0.14	14.34
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	10	14.28	0.27	14.23
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	10	14.28	0.27	14.23
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	10	14.28	0.27	14.23
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	10	14.26	0.34	14.3
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	10	14.26	0.34	14.3
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	10	14.26	0.34	14.3
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	10	14.14	0.52	14.36
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	10	14.14	0.52	14.36
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	10	14.14	0.52	14.36
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	10	14.08	0.61	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	10	14.08	0.61	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	10	14.08	0.61	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	10	14.08	0.61	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	10	14.08	0.61	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	10	14.08	0.61	14.17
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	10	14.0	0.41	13.83
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	10	13.93	0.56	14.1
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	10	13.93	0.56	14.1
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	10	13.93	0.56	14.1
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	10	13.71	0.55	13.5
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	10	13.67	0.41	13.84
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	10	13.67	0.41	13.84
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	10	13.67	0.41	13.84
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	10	13.65	1.19	13.0
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	10	13.65	1.19	13.0
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	10	13.65	1.19	13.0
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	10	13.61	0.49	13.82
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	10	13.61	0.49	13.82
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	10	13.61	0.49	13.82
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	10	13.55	0.28	13.62
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	10	13.55	0.28	13.62
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	10	13.55	0.28	13.62
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	10	13.54	0.23	13.5
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	10	13.54	0.23	13.5
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	10	13.54	0.23	13.5
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	10	13.51	0.44	13.74
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	10	13.51	0.44	13.74
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	10	13.51	0.44	13.74
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	10	13.38	0.81	13.05
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	10	13.38	0.81	13.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	10	13.38	0.81	13.05
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	10	13.36	0.77	13.0
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	10	13.36	0.77	13.0
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	10	13.36	0.77	13.0
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	10	13.36	0.77	13.0
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	10	13.36	0.77	13.0
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	10	13.36	0.77	13.0
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	10	13.36	0.26	13.36
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	10	13.36	0.26	13.36
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	10	13.36	0.26	13.36
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	10	13.12	0.7	12.9
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	10	13.12	0.7	12.9
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	10	13.12	0.7	12.9
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	10	13.1	0.72	12.7
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	10	13.1	0.72	12.7
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	10	13.1	0.72	12.7
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	10	13.05	0.37	13.04
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	10	13.05	0.37	13.04
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	10	13.05	0.37	13.04
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	10	13.0	0.95	13.58
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	10	13.0	0.95	13.58
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	10	13.0	0.95	13.58
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	10	12.98	0.49	13.18
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	10	12.98	0.49	13.18
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	10	12.98	0.49	13.18
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	10	12.96	0.58	13.11
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	10	12.96	0.58	13.11
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	10	12.96	0.58	13.11
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	10	12.79	0.6	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	10	12.79	0.6	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	10	12.79	0.6	13.22
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	10	12.78	1.11	13.44
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	10	12.78	1.11	13.44
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	10	12.78	1.11	13.44
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	10	12.78	1.11	13.44
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	10	12.78	1.11	13.44
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	10	12.78	1.11	13.44
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	10	12.72	1.63	11.96
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	10	12.72	1.63	11.96
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	10	12.72	1.63	11.96
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	10	12.56	0.68	13.02
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	10	12.55	0.89	12.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	10	12.55	0.89	12.76
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	10	12.55	0.89	12.76
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	10	12.55	0.89	12.76
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	10	12.55	0.89	12.76
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	10	12.55	0.89	12.76
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	10	12.47	0.3	12.43
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	10	12.47	0.3	12.43
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	10	12.47	0.3	12.43
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	10	12.42	0.17	12.38
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	10	12.42	0.17	12.38
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	10	12.42	0.17	12.38
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	10	12.38	0.06	12.39
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	10	12.35	0.79	12.7
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	10	12.35	0.79	12.7
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	10	12.35	0.79	12.7
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	10	12.34	0.86	12.88
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	10	12.34	0.86	12.88
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	10	12.34	0.86	12.88
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	10	12.3	0.32	12.38
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	10	12.25	0.64	12.31
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	10	12.25	0.64	12.31
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	10	12.25	0.64	12.31
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	10	12.24	0.07	12.28
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	10	12.23	0.5	12.0
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	10	12.21	0.18	12.21
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	10	12.21	0.18	12.21
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	10	12.17	0.6	12.04
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	10	12.17	0.6	12.04
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	10	12.07	0.7	11.72
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	10	12.07	0.7	11.72
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	10	12.07	0.7	11.72
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	10	11.87	0.13	11.82
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	10	11.87	0.13	11.82
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	10	11.87	0.13	11.82
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	10	11.86	0.42	11.69
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	10	11.86	0.42	11.69
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	10	11.86	0.42	11.69
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	10	11.85	0.28	11.81
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	10	11.85	0.28	11.81
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	10	11.85	0.28	11.81
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	10	11.72	0.59	12.04
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	10	11.72	0.59	12.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	10	11.72	0.59	12.04
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	10	11.52	0.47	11.3
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	10	11.52	0.47	11.3
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	10	11.45	0.24	11.48
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	10	11.45	0.24	11.48
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	10	11.45	0.24	11.48
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	10	11.42	0.23	11.48
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	10	11.35	2.29	9.74
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	10	11.35	2.29	9.74
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	10	11.35	2.29	9.74
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	10	11.32	0.19	11.4
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	10	11.32	0.19	11.4
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	10	11.32	0.19	11.4
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	10	11.29	0.52	11.04
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	10	11.29	0.52	11.04
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	10	11.25	0.3	11.27
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	10	11.25	0.3	11.27
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	10	11.25	0.3	11.27
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	10	11.2	0.82	10.72
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	10	11.2	0.82	10.72
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	10	11.2	0.82	10.72
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	10	11.15	0.22	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	10	11.15	0.22	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	10	11.15	0.22	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	10	11.15	0.22	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	10	11.15	0.22	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	10	11.15	0.22	11.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	10	11.15	0.23	11.1
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	10	11.12	0.56	11.38
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	10	11.04	0.45	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	10	11.04	0.45	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	10	11.04	0.45	11.08
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	10	10.98	0.5	11.23
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	10	10.95	0.16	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	10	10.95	0.16	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	10	10.95	0.16	10.94
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	10	10.89	0.29	11.01
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	10	10.89	0.29	11.01
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	10	10.89	0.29	11.01
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	10	10.83	0.15	10.84
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	10	10.83	0.15	10.84
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	10	10.83	0.15	10.84
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	10	10.82	0.56	10.83
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	10	10.82	0.56	10.83
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	10	10.82	0.56	10.83
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	10	10.71	0.19	10.7
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	10	10.71	0.19	10.7
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	10	10.71	0.19	10.7
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	10	10.71	1.54	9.62
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	10	10.71	1.54	9.62
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	10	10.71	1.54	9.62
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	10	10.7	0.76	10.45
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	10	10.7	0.76	10.45
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	10	10.7	0.76	10.45
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	10	10.7	0.4	10.68
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	10	10.7	0.4	10.68
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	10	10.7	0.4	10.68
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	10	10.68	0.28	10.76
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	10	10.68	0.28	10.76
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	10	10.68	0.28	10.76
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	10	10.62	0.3	10.76
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	10	10.62	2.59	8.64
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	10	10.62	2.59	8.64
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	10	10.62	2.59	8.64
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	10	10.61	0.29	10.56
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	10	10.61	0.29	10.56
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	10	10.61	0.29	10.56
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	10	10.61	0.29	10.56
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	10	10.61	0.29	10.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	10	10.61	0.29	10.56
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	10	10.42	0.64	10.15
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	10	10.42	0.64	10.15
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	10	10.42	0.64	10.15
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	10	10.34	0.47	10.07
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	10	10.32	0.61	9.93
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	10	10.32	0.61	9.93
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	10	10.32	0.61	9.93
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	10	10.28	0.44	10.09
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	10	10.28	0.44	10.09
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	10	10.28	0.44	10.09
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	10	10.27	0.67	10.73
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	10	10.27	0.67	10.73
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	10	10.27	0.67	10.73
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	10	10.08	0.11	10.04
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	10	10.07	1.81	8.86
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	10	10.07	1.81	8.86
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	10	10.07	1.81	8.86
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	10	10.06	0.71	9.71
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	10	10.06	0.71	9.71
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	10	10.06	0.71	9.71
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	10	10.03	0.07	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	10	10.03	0.07	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	10	10.03	0.07	10.04
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	10	9.96	0.15	9.98
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	10	9.96	0.15	9.98
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	10	9.96	0.15	9.98
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	10	9.83	0.37	9.79
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	10	9.83	0.37	9.79
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	10	9.83	0.37	9.79
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	10	9.79	0.3	9.66
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	10	9.79	0.3	9.66
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	10	9.79	0.3	9.66
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	10	9.57	0.22	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	10	9.57	0.22	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	10	9.57	0.22	9.55
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	10	9.49	0.79	9.96
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	10	9.49	0.79	9.96
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	10	9.49	0.79	9.96
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	10	9.49	0.79	9.96
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	10	9.49	0.79	9.96
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	10	9.49	0.79	9.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	10	9.36	0.17	9.34
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	10	9.36	0.17	9.34
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	10	9.36	0.17	9.34
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	10	9.34	0.12	9.33
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	10	9.31	0.19	9.28
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	10	9.31	0.19	9.28
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	10	9.31	0.19	9.28
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	10	9.28	0.91	8.83
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	10	9.28	0.91	8.83
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	10	9.28	0.91	8.83
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	10	9.25	0.4	9.25
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	10	9.25	0.4	9.25
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	10	9.14	0.3	9.12
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	10	9.14	0.3	9.12
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	10	9.14	0.3	9.12
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	10	9.1	0.3	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	10	9.1	0.3	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	10	9.1	0.3	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	10	9.1	0.3	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	10	9.1	0.3	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	10	9.1	0.3	9.14
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	10	9.08	0.63	8.93
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	10	9.08	0.63	8.93
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	10	9.08	0.63	8.93
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	10	9.08	0.63	8.93
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	10	9.08	0.63	8.93
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	10	9.08	0.63	8.93
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	10	9.06	0.16	9.09
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	10	9.06	0.16	9.09
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	10	9.06	0.16	9.09
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	10	9.06	0.4	9.24
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	10	8.91	0.1	8.88
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	10	8.91	0.1	8.88
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	10	8.91	0.1	8.88
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	10	8.9	0.21	8.88
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	10	8.88	0.54	8.86
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	10	8.88	0.54	8.86
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	10	8.88	0.54	8.86
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	10	8.88	0.54	8.86
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	10	8.88	0.54	8.86
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	10	8.88	0.54	8.86
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	10	8.69	0.15	8.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	10	8.69	0.15	8.72
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	10	8.69	0.15	8.72
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	10	8.64	0.39	8.72
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	10	8.64	0.23	8.56
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	10	8.64	0.23	8.56
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	10	8.64	0.23	8.56
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	10	8.43	0.27	8.43
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	10	8.43	0.27	8.43
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	10	8.43	0.27	8.43
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	10	8.37	0.11	8.36
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	10	8.34	0.25	8.38
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	10	8.34	0.25	8.38
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	10	8.33	0.22	8.34
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	10	8.33	0.22	8.34
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	10	8.33	0.22	8.34
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	10	8.3	0.14	8.31
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	10	8.23	0.16	8.29
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	10	8.22	0.26	8.16
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	10	8.22	0.26	8.16
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	10	8.22	0.26	8.16
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	10	8.21	0.94	7.76
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	10	8.21	0.94	7.76
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	10	8.21	0.94	7.76
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	10	8.21	0.94	7.76
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	10	8.21	0.94	7.76
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	10	8.21	0.94	7.76
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	10	8.21	0.23	8.09
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	10	8.11	0.22	8.16
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	10	8.11	0.22	8.16
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	10	8.11	0.22	8.16
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	10	8.09	0.16	8.07
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	10	8.07	0.12	8.09
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	10	8.02	0.15	8.0
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	10	8.01	0.22	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	10	8.01	0.22	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	10	8.01	0.22	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	10	8.01	0.22	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	10	8.01	0.22	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	10	8.01	0.22	8.08
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	10	7.98	0.16	8.02
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	10	7.98	0.16	8.02
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	10	7.98	0.16	8.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	10	7.91	0.17	7.99
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	10	7.89	0.37	8.04
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	10	7.89	0.37	8.04
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	10	7.89	0.37	8.04
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	10	7.86	0.29	7.98
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	10	7.86	0.29	7.98
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	10	7.86	0.29	7.98
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	10	7.86	0.32	7.97
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	10	7.86	0.32	7.97
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	10	7.86	0.32	7.97
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	10	7.85	0.36	8.01
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	10	7.81	0.48	8.07
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	10	7.78	0.75	7.42
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	10	7.78	0.75	7.42
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	10	7.78	0.75	7.42
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	10	7.63	0.26	7.62
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	10	7.61	0.16	7.64
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	10	7.61	0.16	7.64
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	10	7.61	0.16	7.64
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	10	7.55	0.14	7.55
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	10	7.54	0.71	7.4
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	10	7.54	0.71	7.4
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	10	7.54	0.71	7.4
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	10	7.5	0.41	7.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	10	7.5	0.41	7.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	10	7.5	0.41	7.7
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	10	7.48	0.62	7.7
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	10	7.48	0.62	7.7
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	10	7.48	0.62	7.7
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	10	7.38	0.66	7.16
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	10	7.38	0.66	7.16
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	10	7.38	0.66	7.16
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	10	7.36	0.42	7.3
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	10	7.36	0.42	7.3
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	10	7.36	0.42	7.3
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	10	7.36	0.22	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	10	7.36	0.22	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	10	7.36	0.22	7.38
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	10	7.33	0.24	7.46
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	10	7.24	0.15	7.24
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	10	7.24	0.15	7.24
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	10	7.24	0.15	7.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	10	7.23	0.14	7.26
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	10	7.17	0.13	7.18
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	10	7.17	0.13	7.18
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	10	7.17	0.13	7.18
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	10	7.17	0.9	6.6
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	10	7.17	0.9	6.6
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	10	7.17	0.9	6.6
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	10	7.11	0.22	7.03
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	10	7.11	0.22	7.03
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	10	7.11	0.22	7.03
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	10	7.11	0.22	7.03
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	10	7.11	0.22	7.03
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	10	7.11	0.22	7.03
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	10	7.06	0.74	6.66
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	10	7.06	0.74	6.66
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	10	7.06	0.74	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	10	7.06	0.74	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	10	7.06	0.74	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	10	7.06	0.74	6.66
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	10	7.05	0.84	6.77
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	10	7.05	0.84	6.77
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	10	7.05	0.84	6.77
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	10	7.05	0.84	6.77
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	10	7.05	0.84	6.77
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	10	7.05	0.84	6.77
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	10	6.97	0.12	6.96
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	10	6.97	0.12	6.96
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	10	6.92	0.34	6.74
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	10	6.92	0.34	6.74
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	10	6.92	0.34	6.74
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	10	6.88	0.2	6.86
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	10	6.88	0.2	6.86
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	10	6.86	0.18	6.84
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	10	6.86	0.18	6.84
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	10	6.82	0.29	6.96
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	10	6.82	0.29	6.96
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	10	6.8	0.22	6.83
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	10	6.78	0.25	6.7
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	10	6.78	0.25	6.7
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	10	6.78	0.25	6.7
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	10	6.7	0.35	6.6
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	10	6.7	0.35	6.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	10	6.7	0.35	6.6
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	10	6.7	1.13	6.38
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	10	6.7	1.13	6.38
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	10	6.7	1.13	6.38
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	10	6.7	0.13	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	10	6.7	0.13	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	10	6.7	0.13	6.67
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	10	6.67	1.42	6.72
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	10	6.67	1.42	6.72
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	10	6.67	1.42	6.72
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	10	6.66	0.35	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	10	6.66	0.35	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	10	6.66	0.35	6.73
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	10	6.61	0.2	6.62
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	10	6.48	0.21	6.4
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	10	6.47	0.16	6.48
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	10	6.47	0.16	6.48
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	10	6.47	0.16	6.48
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	10	6.46	0.37	6.48
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	10	6.46	0.37	6.48
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	10	6.44	0.8	6.44
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	10	6.44	0.8	6.44
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	10	6.44	0.8	6.44
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	10	6.41	0.52	6.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	10	6.41	0.52	6.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	10	6.41	0.52	6.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	10	6.41	0.52	6.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	10	6.41	0.52	6.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	10	6.41	0.52	6.3
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	10	6.38	0.77	6.86
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	10	6.38	0.19	6.31
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	10	6.38	0.19	6.31
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	10	6.38	0.19	6.31
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	10	6.38	0.19	6.31
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	10	6.38	0.19	6.31
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	10	6.38	0.19	6.31
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	10	6.33	0.45	6.52
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	10	6.24	0.2	6.22
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	10	6.24	0.2	6.22
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	10	6.2	1.45	5.22
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	10	6.2	1.45	5.22
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	10	6.2	1.45	5.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	10	6.19	0.24	6.1
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	10	6.19	0.24	6.1
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	10	6.19	0.24	6.1
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	10	6.12	0.21	6.04
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	10	6.12	0.21	6.04
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	10	6.12	0.21	6.04
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	10	6.03	0.54	5.82
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	10	6.03	0.54	5.82
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	10	6.03	0.54	5.82
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	10	6.03	0.54	5.82
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	10	6.03	0.54	5.82
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	10	6.03	0.54	5.82
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	10	5.95	0.27	5.95
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	10	5.87	0.17	5.89
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	10	5.86	0.25	5.91
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	10	5.86	0.25	5.91
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	10	5.85	0.17	5.86
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	10	5.85	0.17	5.86
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	10	5.85	0.17	5.86
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	10	5.75	0.26	5.72
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	10	5.75	0.26	5.72
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	10	5.74	1.04	5.14
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	10	5.74	1.04	5.14
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	10	5.74	1.04	5.14
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	10	5.74	0.32	5.68
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	10	5.74	0.32	5.68
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	10	5.73	0.73	6.06
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	10	5.73	0.73	6.06
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	10	5.73	0.73	6.06
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	10	5.71	0.13	5.74
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	10	5.71	0.13	5.74
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	10	5.71	0.13	5.74
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	10	5.56	0.66	5.26
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	10	5.56	0.66	5.26
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	10	5.56	0.66	5.26
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	10	5.47	0.21	5.48
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	10	5.44	0.64	5.2
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	10	5.44	0.64	5.2
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	10	5.44	0.64	5.2
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	10	5.43	0.52	5.76
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	10	5.43	0.52	5.76
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	10	5.43	0.52	5.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	10	5.42	0.46	5.2
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	10	5.29	0.19	5.25
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	10	5.29	0.19	5.25
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	10	5.28	0.09	5.24
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	10	5.28	0.09	5.24
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	10	5.28	0.64	5.66
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	10	5.28	0.17	5.22
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	10	5.28	0.17	5.22
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	10	5.25	0.29	5.19
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	10	5.21	0.7	4.95
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	10	5.21	0.7	4.95
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	10	5.21	0.7	4.95
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	10	5.21	0.7	4.95
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	10	5.21	0.7	4.95
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	10	5.21	0.7	4.95
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	10	5.2	0.24	5.27
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	10	5.2	0.24	5.27
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	10	5.2	0.24	5.27
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	10	5.13	0.18	5.12
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	10	5.13	0.21	5.12
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	10	5.09	1.1	4.39
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	10	5.09	1.1	4.39
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	10	5.09	1.1	4.39
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	10	5.06	0.31	5.22
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	10	5.04	1.43	5.77
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	10	5.04	1.43	5.77
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	10	5.04	1.43	5.77
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	10	5.04	0.14	5.05
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	10	5.04	0.14	5.05
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	10	5.04	0.14	5.05
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	10	5.0	0.67	5.14
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	10	4.94	0.5	4.95
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	10	4.94	0.5	4.95
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	10	4.93	0.66	5.28
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	10	4.91	0.92	4.28
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	10	4.91	0.92	4.28
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	10	4.91	0.92	4.28
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	10	4.91	0.68	5.3
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	10	4.91	0.68	5.3
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	10	4.91	0.68	5.3
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	10	4.91	0.68	5.3
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	10	4.91	0.68	5.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	10	4.91	0.68	5.3
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	10	4.89	0.11	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	10	4.89	0.11	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	10	4.89	0.11	4.89
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	10	4.89	0.23	5.0
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	10	4.89	0.23	5.0
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	10	4.89	0.23	5.0
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	10	4.88	0.47	4.76
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	10	4.88	0.47	4.76
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	10	4.88	0.47	4.76
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	10	4.85	0.25	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	10	4.85	0.25	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	10	4.85	0.25	4.9
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	10	4.66	0.14	4.68
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	10	4.65	0.47	4.54
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	10	4.62	0.56	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	10	4.62	0.56	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	10	4.62	0.56	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	10	4.62	0.56	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	10	4.62	0.56	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	10	4.62	0.56	4.31
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	10	4.61	0.11	4.6
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	10	4.61	0.11	4.6
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	10	4.61	0.11	4.6
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	10	4.61	0.11	4.6
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	10	4.61	0.11	4.6
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	10	4.61	0.11	4.6
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	10	4.57	1.08	4.53
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	10	4.57	1.08	4.53
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	10	4.57	1.08	4.53
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	10	4.57	0.28	4.61
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	10	4.57	0.28	4.61
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	10	4.57	0.28	4.61
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	10	4.46	0.1	4.44
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	10	4.45	1.12	5.26
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	10	4.45	1.12	5.26
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	10	4.45	1.12	5.26
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	10	4.44	0.13	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	10	4.44	0.13	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	10	4.44	0.13	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	10	4.44	0.13	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	10	4.44	0.13	4.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	10	4.44	0.13	4.4
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	10	4.42	0.32	4.35
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	10	4.4	0.5	4.38
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	10	4.4	0.5	4.38
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	10	4.4	0.5	4.38
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	10	4.39	0.19	4.36
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	10	4.39	0.19	4.36
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	10	4.39	0.19	4.36
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	10	4.37	0.12	4.36
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	10	4.32	0.28	4.44
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	10	4.32	0.28	4.44
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	10	4.31	0.45	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	10	4.31	0.45	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	10	4.31	0.45	4.2
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	10	4.31	0.96	3.8
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	10	4.31	0.96	3.8
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	10	4.31	0.96	3.8
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	10	4.28	0.3	4.28
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	10	4.28	0.3	4.28
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	10	4.27	0.32	4.16
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	10	4.27	0.32	4.16
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	10	4.27	0.32	4.16
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	10	4.21	0.13	4.16
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	10	4.21	0.13	4.16
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	10	4.21	0.13	4.16
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	10	4.17	0.56	3.87
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	10	4.17	0.56	3.87
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	10	4.17	0.56	3.87
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	10	4.17	0.24	4.14
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	10	4.17	0.36	4.2
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	10	4.17	0.36	4.2
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	10	4.17	0.36	4.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	10	4.15	0.6	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	10	4.15	0.6	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	10	4.15	0.6	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	10	4.15	0.6	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	10	4.15	0.6	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	10	4.15	0.6	4.32
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	10	4.15	0.51	4.32
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	10	4.14	0.24	4.16
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	10	4.12	0.55	3.95
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	10	4.12	0.55	3.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	10	4.12	0.55	3.95
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	10	4.1	0.11	4.07
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	10	4.1	0.11	4.07
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	10	4.1	0.11	4.07
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	10	4.05	0.5	3.74
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	10	4.05	0.5	3.74
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	10	4.05	0.5	3.74
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	10	4.04	0.62	3.98
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	10	4.04	0.62	3.98
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	10	4.04	0.62	3.98
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	10	4.02	0.38	4.14
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	10	4.02	0.38	4.14
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	10	4.02	0.38	4.14
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	10	4.0	0.61	3.78
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	10	4.0	0.61	3.78
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	10	4.0	0.61	3.78
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	10	3.93	0.13	3.94
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	10	3.89	0.26	3.86
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	10	3.89	0.26	3.86
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	10	3.89	0.26	3.86
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	10	3.89	0.26	3.86
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	10	3.89	0.26	3.86
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	10	3.89	0.26	3.86
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	10	3.8	0.25	3.82
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	10	3.8	0.25	3.82
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	10	3.8	0.25	3.82
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	10	3.78	1.24	4.65
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	10	3.76	0.27	3.82
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	10	3.76	0.27	3.82
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	10	3.76	0.27	3.82
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	10	3.75	0.22	3.83
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	10	3.72	0.21	3.78
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	10	3.7	0.53	3.92
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	10	3.7	0.53	3.92
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	10	3.7	0.53	3.92
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	10	3.7	0.53	3.92
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	10	3.7	0.53	3.92
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	10	3.7	0.53	3.92
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	10	3.63	0.13	3.64
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	10	3.63	0.13	3.64
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	10	3.63	0.13	3.64
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	10	3.6	0.12	3.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	10	3.6	0.12	3.59
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	10	3.6	0.12	3.59
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	10	3.6	0.12	3.59
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	10	3.6	0.12	3.59
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	10	3.6	0.12	3.59
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	10	3.58	0.88	3.3
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	10	3.58	0.88	3.3
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	10	3.58	0.88	3.3
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	10	3.58	0.88	3.3
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	10	3.58	0.88	3.3
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	10	3.58	0.88	3.3
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	10	3.56	0.1	3.56
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	10	3.56	0.1	3.56
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	10	3.56	0.1	3.56
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	10	3.54	0.51	3.41
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	10	3.54	0.51	3.41
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	10	3.54	0.51	3.41
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	10	3.46	0.32	3.49
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	10	3.46	0.32	3.49
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	10	3.46	0.32	3.49
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	10	3.44	0.85	3.64
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	10	3.44	0.85	3.64
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	10	3.44	0.85	3.64
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	10	3.39	0.3	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	10	3.39	0.3	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	10	3.39	0.3	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	10	3.39	0.3	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	10	3.39	0.3	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	10	3.39	0.3	3.38
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	10	3.38	0.15	3.42
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	10	3.38	0.15	3.42
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	10	3.38	0.15	3.42
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	10	3.37	0.31	3.46
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	10	3.3	0.5	3.56
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.3	0.5	3.56
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.3	0.5	3.56
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.3	0.5	3.56
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	10	3.3	0.75	3.3
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	10	3.3	0.75	3.3
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	10	3.3	0.75	3.3
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	10	3.27	0.44	3.24
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	10	3.27	0.44	3.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	10	3.27	0.44	3.24
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	10	3.25	0.61	3.08
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	10	3.25	0.61	3.08
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	10	3.25	0.61	3.08
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	10	3.25	0.61	3.08
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	10	3.25	0.61	3.08
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	10	3.25	0.61	3.08
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	10	3.21	0.57	2.91
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	10	3.21	0.57	2.91
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	10	3.21	0.57	2.91
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	10	3.19	0.24	3.24
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	10	3.19	0.24	3.24
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	10	3.19	0.24	3.24
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	10	3.15	1.61	2.06
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	10	3.15	1.61	2.06
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	10	3.15	1.61	2.06
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	10	3.15	0.68	2.96
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	10	3.15	0.68	2.96
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	10	3.15	0.68	2.96
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	10	3.09	0.26	3.11
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	10	3.09	0.26	3.11
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	10	3.09	0.26	3.11
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	10	3.07	0.67	2.82
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	10	3.07	0.67	2.82
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	10	3.07	0.67	2.82
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	10	3.03	0.19	2.95
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	10	3.03	0.19	2.95
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	10	3.02	0.15	3.04
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	10	3.02	0.15	3.04
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	10	2.95	0.27	2.96
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	10	2.95	0.27	2.96
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	10	2.95	0.27	2.96
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	10	2.95	0.47	2.73
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	10	2.92	1.08	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	10	2.92	1.08	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	10	2.92	1.08	3.7
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	10	2.91	0.6	2.6
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	10	2.91	0.6	2.6
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	10	2.91	0.6	2.6
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	10	2.91	0.6	2.6
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	10	2.91	0.6	2.6
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	10	2.91	0.6	2.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	10	2.88	0.14	2.93
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	10	2.87	0.2	2.92
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	10	2.87	0.2	2.92
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	10	2.87	0.18	2.8
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	10	2.87	0.18	2.8
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	10	2.87	0.18	2.8
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	10	2.84	1.06	2.3
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	10	2.84	1.06	2.3
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	10	2.84	1.06	2.3
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	10	2.78	0.3	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	10	2.78	0.3	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	10	2.78	0.3	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	10	2.78	0.3	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	10	2.78	0.3	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	10	2.78	0.3	2.76
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	10	2.75	0.13	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	10	2.75	0.13	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	10	2.75	0.13	2.77
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	10	2.74	0.27	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	10	2.74	0.27	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	10	2.74	0.27	2.65
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	10	2.71	0.11	2.7
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	10	2.71	0.11	2.7
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	10	2.71	0.11	2.7
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	10	2.7	0.47	2.54
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	10	2.7	0.47	2.54
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	10	2.7	0.47	2.54
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	10	2.65	0.16	2.62
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	10	2.65	0.16	2.62
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	10	2.65	0.16	2.62
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	10	2.61	0.37	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	10	2.61	0.37	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	10	2.61	0.37	2.76
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	10	2.61	0.31	2.58
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	10	2.6	0.17	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	10	2.6	0.17	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	10	2.6	0.17	2.6
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	10	2.58	0.46	2.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	10	2.58	0.46	2.52
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	10	2.58	0.46	2.52
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	10	2.58	0.46	2.52
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	10	2.53	0.76	2.9
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	10	2.53	0.76	2.9
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	10	2.53	0.76	2.9
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	10	2.49	0.63	2.41
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	10	2.49	0.63	2.41
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	10	2.49	0.63	2.41
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	10	2.49	0.63	2.41
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	10	2.49	0.63	2.41
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	10	2.49	0.63	2.41
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	10	2.42	0.25	2.53
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	10	2.42	0.25	2.53
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	10	2.41	2.37	0.84
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	10	2.41	2.37	0.84
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	10	2.41	2.37	0.84
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	10	2.41	0.06	2.42
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	10	2.41	0.06	2.42
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	10	2.4	0.13	2.45
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	10	2.32	0.68	2.76
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	10	2.26	0.41	2.41
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	10	2.26	0.41	2.41
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	10	2.26	0.41	2.41
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	10	2.22	0.34	2.18
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	10	2.22	0.34	2.18
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	10	2.22	0.34	2.18
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	10	2.15	0.27	2.14
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	10	2.15	0.27	2.14
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	10	2.15	0.27	2.14
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	10	2.14	0.2	2.17
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	10	2.14	0.94	2.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	10	2.14	0.94	2.82
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	10	2.13	0.31	1.98
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	10	2.12	0.64	2.46
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	10	2.12	0.64	2.46
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	10	2.12	0.64	2.46
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	10	2.12	0.64	2.46
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	10	2.12	0.64	2.46
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	10	2.12	0.64	2.46
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	10	2.11	0.64	2.28
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	10	2.11	0.64	2.28
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	10	2.11	0.64	2.28
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	10	2.08	0.16	2.04
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	10	2.08	0.16	2.04
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	10	1.98	0.63	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	10	1.98	0.63	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	10	1.98	0.63	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	10	1.98	0.63	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	10	1.98	0.63	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	10	1.98	0.63	1.76
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	10	1.9	0.5	2.06
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	10	1.9	0.5	2.06
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	10	1.9	0.5	2.06
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	10	1.87	0.12	1.89
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	10	1.87	0.12	1.89
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	10	1.87	0.12	1.89
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	10	1.85	0.23	1.83
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	10	1.85	0.23	1.83
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	10	1.85	0.23	1.83
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	10	1.85	0.49	1.67
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	10	1.85	0.49	1.67
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	10	1.85	0.49	1.67
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	10	1.83	0.83	2.38
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	10	1.83	0.83	2.38
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	10	1.83	0.83	2.38
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	10	1.82	0.24	1.94
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	10	1.82	0.24	1.94
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	10	1.82	0.24	1.94
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	10	1.81	0.9	1.42
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	10	1.81	0.9	1.42
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	10	1.81	0.9	1.42
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	10	1.81	0.12	1.82
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	10	1.81	0.12	1.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	10	1.81	0.12	1.82
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	10	1.79	0.1	1.8
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	10	1.79	0.1	1.8
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	10	1.79	0.1	1.8
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	10	1.78	0.92	1.8
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	10	1.78	0.92	1.8
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	10	1.78	0.92	1.8
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	10	1.76	0.72	2.01
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	10	1.76	0.72	2.01
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	10	1.76	0.72	2.01
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	10	1.72	0.92	2.08
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	10	1.72	0.92	2.08
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	10	1.72	0.92	2.08
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	10	1.69	0.65	2.01
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	10	1.69	0.65	2.01
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	10	1.69	0.65	2.01
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	10	1.69	0.65	2.01
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	10	1.69	0.65	2.01
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	10	1.69	0.65	2.01
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	10	1.68	0.29	1.69
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	10	1.68	0.29	1.69
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	10	1.68	0.29	1.69
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	10	1.67	0.46	1.66
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	10	1.67	0.46	1.66
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	10	1.67	0.46	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	10	1.67	0.46	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	10	1.67	0.46	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	10	1.67	0.46	1.66
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	10	1.67	0.36	1.83
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	10	1.67	0.36	1.83
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	10	1.67	0.36	1.83
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	10	1.64	0.47	1.55
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	10	1.64	0.47	1.55
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	10	1.64	0.47	1.55
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	10	1.63	0.18	1.56
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	10	1.63	0.18	1.56
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	10	1.63	0.18	1.56
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	10	1.63	0.53	1.62
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	10	1.63	0.53	1.62
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	10	1.63	0.53	1.62
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	10	1.6	0.46	1.66
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	10	1.6	0.46	1.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	10	1.6	0.46	1.66
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	10	1.56	0.38	1.4
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	10	1.56	0.38	1.4
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	10	1.56	0.38	1.4
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	10	1.54	0.54	1.3
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	10	1.54	0.54	1.3
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	10	1.54	0.54	1.3
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	10	1.51	0.72	1.94
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	10	1.51	0.72	1.94
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	10	1.51	0.72	1.94
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	10	1.49	0.52	1.28
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	10	1.49	0.52	1.28
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	10	1.49	0.52	1.28
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	10	1.47	0.48	1.6
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	10	1.47	0.48	1.6
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	10	1.47	0.48	1.6
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	10	1.38	0.12	1.36
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	10	1.36	0.29	1.42
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	10	1.36	0.29	1.42
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	10	1.36	0.29	1.42
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	10	1.35	0.13	1.38
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	10	1.35	0.13	1.38
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	10	1.35	0.13	1.38
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	10	1.35	0.41	1.51
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	10	1.35	0.41	1.51
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	10	1.35	0.41	1.51
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	10	1.34	0.12	1.31
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	10	1.34	0.12	1.31
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	10	1.34	0.12	1.31
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	10	1.33	0.56	1.5
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	10	1.33	0.56	1.5
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	10	1.33	0.56	1.5
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	10	1.33	0.49	1.3
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	10	1.33	0.49	1.3
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	10	1.33	0.49	1.3
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	10	1.3	0.19	1.21
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	10	1.3	0.1	1.3
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	10	1.26	0.13	1.29
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	10	1.26	0.13	1.29
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	10	1.26	0.13	1.29
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	10	1.25	0.26	1.18
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	10	1.25	0.26	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	10	1.25	0.26	1.18
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	10	1.22	0.07	1.21
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	10	1.22	0.07	1.21
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	10	1.21	0.14	1.18
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	10	1.19	0.52	0.9
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	10	1.19	0.52	0.9
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	10	1.19	0.52	0.9
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	10	1.19	0.52	0.9
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	10	1.19	0.52	0.9
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	10	1.19	0.52	0.9
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	10	1.14	0.18	1.17
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	10	1.14	0.18	1.17
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	10	1.14	0.18	1.17
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	10	1.13	0.38	1.27
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	10	1.13	0.38	1.27
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	10	1.13	0.38	1.27
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	10	1.11	0.47	1.07
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	10	1.11	0.47	1.07
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	10	1.11	0.47	1.07
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	10	1.11	0.26	1.03
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	10	1.11	0.26	1.03
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	10	1.08	0.23	1.1
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	10	1.04	0.35	1.2
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	10	1.04	0.35	1.2
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	10	1.04	0.35	1.2
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	10	1.04	0.37	1.06
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	10	1.04	0.37	1.06
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	10	1.04	0.37	1.06
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	10	0.97	0.22	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	10	0.97	0.22	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	10	0.97	0.22	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	10	0.97	0.22	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	10	0.97	0.22	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	10	0.97	0.22	0.98
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	10	0.92	0.44	1.12
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	10	0.92	0.44	1.12
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	10	0.92	0.44	1.12
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	10	0.92	0.16	0.99
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	10	0.92	0.16	0.99
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	10	0.92	0.16	0.99
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	10	0.92	0.16	0.99
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	10	0.92	0.16	0.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	10	0.92	0.16	0.99
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	10	0.88	0.29	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	10	0.88	0.29	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	10	0.88	0.29	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	10	0.88	0.59	0.62
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	10	0.88	0.59	0.62
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	10	0.88	0.59	0.62
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	10	0.88	0.59	0.62
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	10	0.88	0.59	0.62
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	10	0.88	0.59	0.62
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	10	0.85	0.59	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	10	0.85	0.59	0.58
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	10	0.85	0.59	0.58
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	10	0.85	0.59	0.58
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	10	0.85	0.09	0.86
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	10	0.75	0.23	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	10	0.75	0.23	0.68
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	10	0.75	0.23	0.68
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	10	0.75	0.27	0.84
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	10	0.72	0.28	0.66
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	10	0.72	0.28	0.66
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	10	0.72	0.28	0.66
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	10	0.69	0.26	0.62
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	10	0.62	0.18	0.52
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	10	0.62	0.18	0.52
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	10	0.62	0.18	0.52
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	10	0.62	0.18	0.52
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	10	0.62	0.18	0.52
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	10	0.62	0.18	0.52
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	10	0.61	0.16	0.62
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	10	0.61	0.16	0.62
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	10	0.6	0.19	0.48
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	10	0.6	0.19	0.48
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	10	0.6	0.19	0.48
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	10	0.59	0.18	0.68
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	10	0.57	0.2	0.63
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	10	0.57	0.2	0.63
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	10	0.56	0.12	0.57
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	10	0.53	0.2	0.45
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	10	0.53	0.12	0.58
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	10	0.53	0.12	0.58
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	10	0.52	0.15	0.52
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	10	0.52	0.15	0.52
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	10	0.52	0.15	0.52
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	10	0.5	0.11	0.5
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	10	0.4	0.08	0.38
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	10	0.39	0.17	0.4
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	10	0.39	0.17	0.4
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	10	0.39	0.17	0.4
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	10	0.39	0.17	0.4
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	10	0.39	0.17	0.4
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	10	0.39	0.17	0.4
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	10	0.38	0.14	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	10	0.36	0.08	0.36
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	10	0.36	0.08	0.36
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	10	0.36	0.08	0.36
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	10	0.27	0.1	0.28
(4,78)	1:66:A:THR:H	1:33:A:THR:O	10	0.26	0.07	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	10	0.26	0.06	0.24
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	10	0.16	0.05	0.15
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	9	1.88	1.85	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	9	1.08	0.56	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	9	1.08	0.56	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	9	1.08	0.56	0.95
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	9	0.59	0.22	0.66
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	9	0.59	0.22	0.66
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	9	0.59	0.22	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	9	0.59	0.22	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	9	0.59	0.22	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	9	0.59	0.22	0.66
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	9	0.55	0.44	0.37
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	9	0.55	0.44	0.37
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	9	0.55	0.44	0.37
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	9	0.55	0.44	0.37
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	9	0.55	0.44	0.37
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	9	0.55	0.44	0.37
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	9	0.54	0.25	0.56
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	9	0.54	0.25	0.56
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	9	0.54	0.25	0.56
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	9	0.51	0.31	0.59
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	9	0.51	0.31	0.59
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	9	0.51	0.31	0.59
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	9	0.43	0.2	0.48
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	9	0.35	0.09	0.34
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	9	0.35	0.09	0.34
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	9	0.33	0.08	0.32
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	9	0.26	0.06	0.28
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	9	0.21	0.09	0.18
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	9	0.2	0.07	0.19
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	9	0.2	0.07	0.19
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	9	0.2	0.07	0.19
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	8	1.24	0.91	1.38
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	8	1.24	0.91	1.38
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	8	1.24	0.91	1.38
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	8	1.24	0.91	1.38
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	8	1.24	0.91	1.38
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	8	1.24	0.91	1.38
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	8	0.67	0.24	0.8
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	8	0.61	0.36	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	8	0.61	0.36	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	8	0.61	0.36	0.52
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	8	0.56	0.26	0.53
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	8	0.56	0.26	0.53
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	8	0.56	0.26	0.53
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	8	0.46	0.23	0.34
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	8	0.46	0.23	0.34
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	8	0.46	0.23	0.34
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	8	0.25	0.1	0.3
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	8	0.21	0.08	0.18
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	8	0.21	0.08	0.18
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	8	0.21	0.08	0.18
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	8	0.2	0.07	0.2
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	8	0.18	0.04	0.17
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	8	0.17	0.06	0.15
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	8	0.15	0.03	0.15
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	7	1.52	1.31	0.49
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	7	1.52	1.31	0.49
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	7	0.92	0.28	0.93
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	7	0.92	0.28	0.93
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	7	0.92	0.28	0.93
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	7	0.82	0.2	0.77
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	7	0.82	0.2	0.77
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	7	0.82	0.2	0.77
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	7	0.79	0.18	0.87
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	7	0.79	0.18	0.87
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	7	0.79	0.18	0.87
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	7	0.78	0.15	0.81
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	7	0.78	0.15	0.81
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	7	0.57	0.16	0.56
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	7	0.57	0.16	0.56
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	7	0.57	0.16	0.56
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	7	0.53	0.32	0.66
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	7	0.53	0.32	0.66
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	7	0.53	0.32	0.66
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	7	0.49	0.11	0.5
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	7	0.49	0.11	0.5
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	7	0.49	0.11	0.5
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	7	0.48	0.26	0.53
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	7	0.34	0.17	0.27
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	7	0.33	0.17	0.37
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	7	0.33	0.17	0.37
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	7	0.33	0.17	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	7	0.32	0.17	0.24
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	7	0.32	0.17	0.24
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	7	0.32	0.17	0.24
(4,32)	1:115:A:SER:H	1:131:A:SER:O	7	0.24	0.09	0.22
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	7	0.23	0.08	0.23
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	7	0.22	0.07	0.2
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	7	0.22	0.08	0.19
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	7	0.21	0.06	0.2
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	7	0.18	0.04	0.19
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	7	0.14	0.02	0.14
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	6	3.34	2.69	3.36
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	6	3.34	2.69	3.36
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	6	3.34	2.69	3.36
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	6	1.92	0.2	1.93
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	6	1.92	0.2	1.93
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	6	1.92	0.2	1.93
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	6	1.03	0.74	0.99
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	6	1.03	0.74	0.99
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	6	1.03	0.74	0.99
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	6	0.95	0.53	0.92
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	6	0.95	0.53	0.92
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	6	0.95	0.53	0.92
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	6	0.84	0.18	0.9
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	6	0.84	0.18	0.9
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	6	0.84	0.18	0.9
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	6	0.76	0.09	0.79
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	6	0.76	0.09	0.79
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	6	0.75	0.18	0.7
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	6	0.75	0.18	0.7
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	6	0.75	0.18	0.7
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	6	0.6	0.1	0.62
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	6	0.6	0.1	0.62
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	6	0.59	0.2	0.59
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	6	0.59	0.2	0.59
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	6	0.47	0.18	0.46
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	6	0.47	0.18	0.46
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	6	0.36	0.2	0.38
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	6	0.36	0.2	0.38
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	6	0.36	0.2	0.38
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	6	0.35	0.09	0.36
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	6	0.28	0.11	0.28
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	6	0.25	0.11	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	6	0.18	0.08	0.14
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	6	0.18	0.04	0.18
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	6	0.18	0.03	0.16
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	6	0.16	0.05	0.16
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	6	0.13	0.03	0.13
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	5	0.7	0.25	0.8
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	5	0.7	0.25	0.8
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	5	0.7	0.25	0.8
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	5	0.34	0.11	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	5	0.34	0.11	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	5	0.34	0.11	0.37
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	5	0.28	0.08	0.29
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	5	0.22	0.09	0.2
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	5	0.19	0.04	0.21
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	5	0.19	0.04	0.21
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	5	0.19	0.04	0.21
(4,77)	1:66:A:THR:N	1:33:A:THR:O	5	0.17	0.04	0.18
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	5	0.17	0.03	0.16
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	5	0.16	0.03	0.15
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	5	0.16	0.05	0.17
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	5	0.16	0.04	0.17
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	5	0.14	0.03	0.13
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	5	0.14	0.02	0.14
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	5	0.13	0.02	0.14
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG21	4	2.66	0.09	2.66
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG22	4	2.66	0.09	2.66
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG23	4	2.66	0.09	2.66
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG21	4	2.57	0.26	2.58
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG22	4	2.57	0.26	2.58
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG23	4	2.57	0.26	2.58
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG21	4	2.46	0.18	2.51
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG22	4	2.46	0.18	2.51
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG23	4	2.46	0.18	2.51
(2,439)	1:167:A:THR:H	1:172:A:GLY:H	4	2.22	0.06	2.22
(2,451)	1:172:A:GLY:H	1:167:A:THR:H	4	2.22	0.06	2.22
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG11	4	1.67	0.08	1.7
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG12	4	1.67	0.08	1.7
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG13	4	1.67	0.08	1.7
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG21	4	1.67	0.08	1.7
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG22	4	1.67	0.08	1.7
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG23	4	1.67	0.08	1.7
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD11	4	1.03	0.11	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD12	4	1.03	0.11	1.0
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD13	4	1.03	0.11	1.0
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG21	4	0.78	0.18	0.8
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG22	4	0.78	0.18	0.8
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG23	4	0.78	0.18	0.8
(2,349)	1:117:A:GLU:H	1:128:A:ILE:H	4	0.47	0.19	0.54
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD11	4	0.36	0.14	0.38
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD12	4	0.36	0.14	0.38
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD13	4	0.36	0.14	0.38
(4,56)	1:96:A:THR:H	1:10:A:ASP:O	4	0.21	0.04	0.2
(4,24)	1:128:A:ILE:H	1:67:A:TYR:O	4	0.2	0.07	0.2
(4,70)	1:111:A:ALA:H	1:89:A:ILE:O	4	0.17	0.07	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD11	4	0.16	0.04	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD12	4	0.16	0.04	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD13	4	0.16	0.04	0.14
(4,62)	1:93:A:ARG:H	1:107:A:GLN:O	4	0.14	0.04	0.12
(4,42)	1:131:A:SER:H	1:115:A:SER:O	4	0.14	0.04	0.14
(4,90)	1:142:A:GLU:H	1:104:A:TYR:O	4	0.14	0.03	0.14
(4,20)	1:65:A:VAL:H	1:130:A:ILE:O	4	0.14	0.02	0.14
(4,60)	1:91:A:PHE:H	1:109:A:GLY:O	4	0.12	0.02	0.12
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD11	3	4.81	0.05	4.82
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD12	3	4.81	0.05	4.82
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD13	3	4.81	0.05	4.82
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD11	3	4.2	0.04	4.18
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD12	3	4.2	0.04	4.18
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD13	3	4.2	0.04	4.18
(2,101)	1:46:A:GLU:H	1:53:A:ILE:H	3	2.6	0.03	2.61
(2,118)	1:53:A:ILE:H	1:46:A:GLU:H	3	2.6	0.03	2.61
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD11	3	2.13	0.04	2.13
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD12	3	2.13	0.04	2.13
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD13	3	2.13	0.04	2.13
(2,113)	1:52:A:ARG:H	1:48:A:THR:H	3	1.38	0.03	1.39
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD11	3	0.67	0.07	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD12	3	0.67	0.07	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD13	3	0.67	0.07	0.62
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG11	3	0.56	0.07	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG12	3	0.56	0.07	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG13	3	0.56	0.07	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG21	3	0.56	0.07	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG22	3	0.56	0.07	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG23	3	0.56	0.07	0.58
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD11	3	0.49	0.15	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD12	3	0.49	0.15	0.53
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD13	3	0.49	0.15	0.53
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG21	3	0.47	0.04	0.47
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG22	3	0.47	0.04	0.47
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG23	3	0.47	0.04	0.47
(2,314)	1:104:A:TYR:H	1:141:A:GLY:H	3	0.38	0.13	0.33
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD11	3	0.37	0.1	0.42
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD12	3	0.37	0.1	0.42
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD13	3	0.37	0.1	0.42
(2,157)	1:69:A:GLY:H	1:119:A:SER:H	3	0.28	0.05	0.31
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG11	3	0.22	0.08	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG12	3	0.22	0.08	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG13	3	0.22	0.08	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG21	3	0.22	0.08	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG22	3	0.22	0.08	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG23	3	0.22	0.08	0.22
(4,92)	1:104:A:TYR:H	1:142:A:GLU:O	3	0.22	0.01	0.22
(4,73)	1:62:A:SER:N	1:37:A:VAL:O	3	0.21	0.03	0.22
(2,404)	1:143:A:ILE:H	1:141:A:GLY:H	3	0.18	0.06	0.16
(4,4)	1:78:A:ALA:H	1:74:A:ALA:O	3	0.17	0.05	0.15
(4,9)	1:81:A:ASP:N	1:77:A:LYS:O	3	0.17	0.06	0.14
(4,30)	1:134:A:VAL:H	1:61:A:ASP:O	3	0.15	0.03	0.16
(4,63)	1:95:A:ASP:N	1:105:A:ASP:O	3	0.14	0.03	0.12
(4,12)	1:82:A:ALA:H	1:78:A:ALA:O	3	0.13	0.02	0.14
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD11	2	0.42	0.12	0.42
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD12	2	0.42	0.12	0.42
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD13	2	0.42	0.12	0.42
(4,96)	1:108:A:PHE:H	1:138:A:LEU:O	2	0.24	0.04	0.24
(4,66)	1:107:A:GLN:H	1:93:A:ARG:O	2	0.18	0.06	0.18
(2,277)	1:93:A:ARG:H	1:106:A:ALA:H	2	0.17	0.02	0.17
(2,323)	1:106:A:ALA:H	1:93:A:ARG:H	2	0.17	0.02	0.17
(4,53)	1:94:A:VAL:N	1:12:A:LYS:O	2	0.17	0.02	0.17
(4,31)	1:115:A:SER:N	1:131:A:SER:O	2	0.16	0.04	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG11	2	0.16	0.02	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG12	2	0.16	0.02	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG13	2	0.16	0.02	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG21	2	0.16	0.02	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG22	2	0.16	0.02	0.16
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG23	2	0.16	0.02	0.16
(4,39)	1:129:A:SER:N	1:117:A:GLU:O	2	0.15	0.01	0.15
(2,68)	1:23:A:GLY:H	1:25:A:ALA:H	2	0.14	0.03	0.14
(2,76)	1:25:A:ALA:H	1:23:A:GLY:H	2	0.14	0.03	0.14

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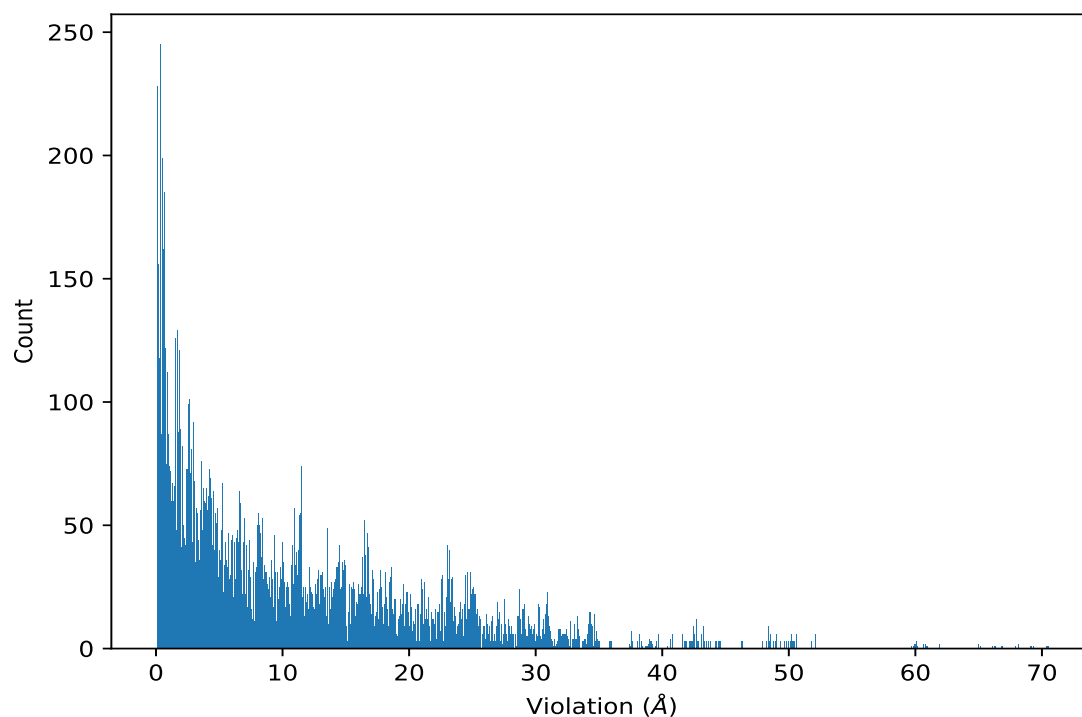
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,87)	1:140:A:ASN:N	1:106:A:ALA:O	2	0.13	0.01	0.13
(4,21)	1:67:A:TYR:N	1:128:A:ILE:O	2	0.12	0.0	0.12

¹Number of violated models, ²Standard deviation

8.5 All violated distance restraints [i](#)

8.5.1 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.



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	8	70.55
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	6	70.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	10	70.33
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	3	69.31
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	4	69.18
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	7	69.09
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	8	68.13
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	6	68.12
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	10	67.86
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	3	66.88
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	7	66.84
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	4	66.75
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	2	66.32
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	9	66.23
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	1	66.1
(2,114)	1:161:A:GLN:H	1:48:A:THR:H	5	66.09
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	2	65.18
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	9	65.12
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	1	64.97
(2,116)	1:161:A:GLN:H	1:47:A:GLN:H	5	64.96
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	4	61.92
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	7	61.89
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	3	61.85
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	8	60.97
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	10	60.9
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	6	60.87
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	1	60.76
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	2	60.76
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	9	60.69
(2,429)	1:160:A:PHE:H	1:52:A:ARG:H	5	60.67
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	2	60.15
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	1	60.13
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	3	60.11
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	9	60.11
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	5	60.03
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	8	60.0
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	7	59.94
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	4	59.91
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	6	59.84
(2,112)	1:161:A:GLN:H	1:53:A:ILE:H	10	59.74
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	3	52.09
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	3	52.09
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	3	52.09
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	7	52.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	7	52.09
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	7	52.09
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	4	51.82
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	4	51.82
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	4	51.82
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	3	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	3	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	3	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	7	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	7	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	7	50.63
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	4	50.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	4	50.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	4	50.41
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	1	50.38
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	1	50.38
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	1	50.38
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	9	50.34
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	9	50.34
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	9	50.34
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	2	50.19
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	2	50.19
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	2	50.19
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	5	50.15
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	5	50.15
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	5	50.15
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	8	50.11
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	8	50.11
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	8	50.11
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	10	49.96
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	10	49.96
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	10	49.96
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG21	6	49.83
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG22	6	49.83
(2,1123)	1:165:A:GLN:H	1:53:A:ILE:HG23	6	49.83
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	8	49.6
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	8	49.6
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	8	49.6
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	10	49.33
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	10	49.33
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	10	49.33
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	6	49.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	6	49.03
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	6	49.03
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	3	49.03
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	3	49.03
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	3	49.03
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	4	48.95
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	4	48.95
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	4	48.95
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	7	48.8
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	7	48.8
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	7	48.8
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	2	48.58
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	2	48.58
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	2	48.58
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	1	48.57
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	1	48.57
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	1	48.57
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	9	48.46
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	9	48.46
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	9	48.46
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	1	48.44
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	1	48.44
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	1	48.44
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	2	48.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	2	48.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	2	48.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	9	48.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	9	48.41
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	9	48.41
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	5	48.28
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	5	48.28
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	5	48.28
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG21	5	47.94
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG22	5	47.94
(2,1070)	1:46:A:GLU:H	1:173:A:THR:HG23	5	47.94
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	8	46.38
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	8	46.38
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	8	46.38
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	6	46.32
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	6	46.32
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	6	46.32
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD11	10	46.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD12	10	46.23
(2,612)	1:161:A:GLN:H	1:53:A:ILE:HD13	10	46.23
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	1	44.56
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	1	44.56
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	1	44.56
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	2	44.5
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	2	44.5
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	2	44.5
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	9	44.47
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	9	44.47
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	9	44.47
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	5	44.25
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	5	44.25
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	5	44.25
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	3	44.23
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	3	44.23
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	3	44.23
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	4	43.81
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	4	43.81
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	4	43.81
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	3	43.63
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	3	43.63
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	3	43.63
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	7	43.48
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	7	43.48
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	7	43.48
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	7	43.34
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	7	43.34
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	7	43.34
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	4	43.23
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	4	43.23
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	4	43.23
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	1	43.23
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	1	43.23
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	1	43.23
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	3	43.21
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	3	43.21
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	3	43.21
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	2	43.11
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	2	43.11
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	2	43.11
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	9	43.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	9	43.11
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	9	43.11
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	7	42.84
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	7	42.84
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	7	42.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	5	42.75
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	5	42.75
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	5	42.75
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	4	42.69
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	4	42.69
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	4	42.69
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	1	42.69
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	1	42.69
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	1	42.69
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	6	42.66
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	6	42.66
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	6	42.66
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	8	42.66
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	8	42.66
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	8	42.66
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	2	42.58
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	2	42.58
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	2	42.58
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	3	42.53
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	3	42.53
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	3	42.53
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	1	42.51
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	1	42.51
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	1	42.51
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	9	42.49
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	9	42.49
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	9	42.49
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD11	10	42.47
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD12	10	42.47
(2,766)	1:169:A:GLU:H	1:53:A:ILE:HD13	10	42.47
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	10	42.46
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	10	42.46
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	10	42.46
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	6	42.41
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	6	42.41
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	6	42.41
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	9	42.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	9	42.36
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	9	42.36
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	8	42.33
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	8	42.33
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	8	42.33
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	2	42.24
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	2	42.24
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	2	42.24
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD11	5	42.15
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD12	5	42.15
(2,774)	1:172:A:GLY:H	1:53:A:ILE:HD13	5	42.15
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	4	42.14
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	4	42.14
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	4	42.14
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	5	41.94
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	5	41.94
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	5	41.94
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	7	41.88
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	7	41.88
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	7	41.88
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	8	41.76
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	8	41.76
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	8	41.76
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	6	41.59
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	6	41.59
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	6	41.59
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG21	10	41.55
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG22	10	41.55
(2,1090)	1:170:A:ALA:H	1:53:A:ILE:HG23	10	41.55
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	6	40.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	6	40.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	6	40.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	8	40.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	8	40.84
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	8	40.84
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	8	40.66
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD11	10	40.65
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD12	10	40.65
(2,770)	1:170:A:ALA:H	1:53:A:ILE:HD13	10	40.65
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	6	40.6
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	10	40.43
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	3	39.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	3	39.69
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	3	39.69
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	4	39.65
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	4	39.65
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	4	39.65
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	7	39.56
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	7	39.56
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	7	39.56
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	4	39.46
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	3	39.24
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	7	39.2
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	8	39.16
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	8	39.16
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	8	39.16
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	10	39.05
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	10	39.05
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	10	39.05
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	6	38.97
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	6	38.97
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	6	38.97
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	1	38.97
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	8	38.93
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	9	38.86
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	6	38.86
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	2	38.81
(2,378)	1:134:A:VAL:H	1:160:A:PHE:H	5	38.76
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	10	38.71
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	4	38.69
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	3	38.49
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	1	38.38
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	1	38.38
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	1	38.38
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	7	38.31
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	9	38.19
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	9	38.19
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	9	38.19
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	2	38.18
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	2	38.18
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	2	38.18
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB1	5	38.02
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB2	5	38.02
(2,885)	1:165:A:GLN:H	1:60:A:ALA:HB3	5	38.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	8	37.67
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	8	37.67
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	8	37.67
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	1	37.57
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	10	37.56
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	10	37.56
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	10	37.56
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	6	37.55
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	6	37.55
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	6	37.55
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	9	37.5
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	2	37.43
(2,293)	1:140:A:ASN:H	1:162:A:GLN:H	5	37.43
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	7	35.99
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	7	35.99
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	7	35.99
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	4	35.85
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	4	35.85
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	4	35.85
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	3	35.84
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	3	35.84
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	3	35.84
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	7	35.07
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	7	35.07
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	7	35.07
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	3	34.91
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	3	34.91
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	3	34.91
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	6	34.88
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	9	34.86
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	9	34.86
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	9	34.86
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	1	34.82
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	1	34.82
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	1	34.82
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	8	34.8
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	8	34.8
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	8	34.8
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	8	34.8
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	10	34.74
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	6	34.71
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	6	34.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	2	34.68
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	2	34.68
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	2	34.68
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	4	34.67
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	4	34.67
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	4	34.67
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	5	34.67
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	5	34.67
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	5	34.67
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	6	34.66
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	6	34.66
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	6	34.66
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	4	34.66
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	4	34.66
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	8	34.62
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	8	34.62
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	3	34.61
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	3	34.61
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	3	34.61
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	8	34.58
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	8	34.5
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	8	34.5
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	6	34.5
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	10	34.47
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	10	34.47
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	10	34.47
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	7	34.47
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	7	34.47
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	7	34.47
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	1	34.45
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	1	34.45
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	1	34.45
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	10	34.44
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	10	34.44
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	10	34.44
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD11	4	34.42
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD12	4	34.42
(2,611)	1:161:A:GLN:H	1:135:A:ILE:HD13	4	34.42
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	7	34.41
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	7	34.41
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	10	34.4
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	10	34.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	7	34.34
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	7	34.34
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	7	34.34
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	3	34.34
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	4	34.34
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	3	34.34
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	10	34.33
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	8	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	8	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	8	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	9	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	9	34.31
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	9	34.31
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	7	34.3
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	7	34.3
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	8	34.28
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	8	34.28
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	8	34.28
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	3	34.28
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	3	34.28
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	8	34.26
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	8	34.26
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	10	34.24
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	10	34.24
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	10	34.24
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	2	34.23
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	2	34.23
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	2	34.23
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	3	34.21
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	3	34.21
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	4	34.21
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	5	34.2
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	5	34.2
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	5	34.2
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	3	34.2
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	3	34.2
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	3	34.2
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	4	34.19
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	4	34.19
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	10	34.19
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	10	34.19
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	6	34.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	6	34.18
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	4	34.15
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	4	34.15
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	4	34.15
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	7	34.15
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	7	34.12
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	6	34.11
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	6	34.11
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG21	6	34.09
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG22	6	34.09
(2,1099)	1:71:A:ARG:H	1:53:A:ILE:HG23	6	34.09
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	6	34.05
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	6	34.05
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	6	34.05
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	5	34.02
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	2	34.0
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	7	33.96
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	10	33.93
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	10	33.93
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	10	33.93
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	9	33.9
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	3	33.88
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	8	33.85
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	8	33.85
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	8	33.85
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	1	33.81
(2,100)	1:88:A:GLN:H	1:47:A:GLN:H	4	33.81
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	5	33.78
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	5	33.78
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	5	33.78
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	4	33.74
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	4	33.74
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	6	33.69
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	6	33.69
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	6	33.69
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	1	33.49
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	1	33.49
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	1	33.49
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	3	33.48
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	3	33.48
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	10	33.42
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	10	33.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	2	33.38
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	2	33.38
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	2	33.38
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	7	33.37
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	7	33.37
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	2	33.35
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	2	33.35
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	2	33.35
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	9	33.33
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	9	33.33
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	9	33.33
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	5	33.32
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	5	33.32
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	5	33.32
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	1	33.32
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	1	33.32
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG21	1	33.31
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG22	1	33.31
(2,1071)	1:46:A:GLU:H	1:22:A:THR:HG23	1	33.31
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	9	33.3
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	9	33.3
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	4	33.26
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	5	33.25
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	5	33.25
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	2	33.24
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	9	33.24
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	1	33.2
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	1	33.2
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	2	33.18
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	2	33.18
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	8	33.17
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	4	33.17
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	8	33.12
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	7	33.12
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	6	33.11
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	9	33.08
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	9	33.08
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	9	33.08
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	3	33.08
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	3	33.07
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	10	33.07
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	8	33.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,525)	1:162:A:GLN:H	1:92:A:TRP:HE3	5	33.05
(2,463)	1:92:A:TRP:HE3	1:162:A:GLN:H	5	33.05
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	6	33.05
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	2	33.04
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	2	33.04
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	1	33.02
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	6	32.99
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	10	32.99
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	3	32.99
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	3	32.95
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	5	32.94
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	8	32.93
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	7	32.91
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	4	32.87
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	10	32.87
(2,524)	1:162:A:GLN:H	1:92:A:TRP:HE1	9	32.86
(2,462)	1:92:A:TRP:HE1	1:162:A:GLN:H	9	32.86
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	1	32.77
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	1	32.77
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	1	32.77
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	1	32.76
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	7	32.75
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	7	32.75
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	7	32.75
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	7	32.75
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	7	32.75
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	7	32.75
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	7	32.75
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	9	32.74
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	9	32.74
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	9	32.74
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	6	32.71
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	9	32.7
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	4	32.65
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	7	32.64
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	5	32.61
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	5	32.61
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	5	32.61
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	3	32.58
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	3	32.58
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	3	32.58
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	10	32.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	2	32.51
(2,461)	1:116:A:ARG:H	1:167:A:THR:H	5	32.51
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG21	2	32.5
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG22	2	32.5
(2,1082)	1:73:A:ASP:H	1:53:A:ILE:HG23	2	32.5
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	10	32.47
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	4	32.43
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	4	32.43
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	4	32.43
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	4	32.41
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	4	32.41
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	4	32.41
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	1	32.41
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	1	32.41
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	2	32.35
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	9	32.34
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	9	32.34
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	1	32.33
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	9	32.33
(2,220)	1:165:A:GLN:H	1:83:A:TYR:H	5	32.32
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	6	32.3
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	3	32.29
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	3	32.29
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	3	32.29
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	5	32.28
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	5	32.28
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	3	32.25
(2,431)	1:160:A:PHE:H	1:140:A:ASN:H	2	32.22
(2,391)	1:140:A:ASN:H	1:160:A:PHE:H	2	32.22
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	8	32.19
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	8	32.19
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	8	32.19
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	10	32.19
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	10	32.19
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	10	32.19
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	10	32.12
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	10	32.12
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	10	32.12
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	8	32.11
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	8	32.11
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	8	32.11
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG21	6	32.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG22	6	32.08
(2,1102)	1:148:A:GLU:H	1:53:A:ILE:HG23	6	32.08
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	4	32.05
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	6	32.05
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	6	32.04
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	6	32.04
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	6	32.04
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	4	32.02
(2,468)	1:92:A:TRP:HE1	1:52:A:ARG:H	8	32.0
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	1	31.92
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	1	31.92
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	1	31.92
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	8	31.92
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	3	31.91
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	3	31.91
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	3	31.91
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	1	31.91
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	4	31.89
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	4	31.89
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	4	31.89
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	7	31.89
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	7	31.87
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	7	31.87
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	7	31.87
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	3	31.85
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	9	31.84
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	9	31.84
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	9	31.84
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	5	31.82
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	5	31.82
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	5	31.82
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	7	31.81
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	8	31.8
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB1	2	31.79
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB2	2	31.79
(2,860)	1:54:A:LEU:H	1:74:A:ALA:HB3	2	31.79
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	3	31.74
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	7	31.73
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	10	31.72
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	5	31.69
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	9	31.68
(2,432)	1:160:A:PHE:H	1:141:A:GLY:H	2	31.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	4	31.57
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	7	31.47
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	7	31.47
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	7	31.47
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	6	31.45
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	1	31.35
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	3	31.31
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	3	31.31
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	3	31.31
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	5	31.28
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	1	31.28
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	2	31.26
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	9	31.23
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	9	31.21
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	9	31.21
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	9	31.21
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	8	31.18
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	9	31.18
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	8	31.18
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	8	31.18
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	6	31.15
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	6	31.15
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	6	31.15
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	2	31.11
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	5	31.08
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	4	31.07
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	4	31.07
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	4	31.07
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	1	31.07
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	10	31.06
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	10	31.06
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	10	31.06
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	9	31.05
(2,267)	1:92:A:TRP:H	1:165:A:GLN:H	5	31.02
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	7	31.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	7	31.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	7	31.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	7	31.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	7	31.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	7	31.01
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	2	30.98
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	2	30.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	2	30.98
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	5	30.97
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	5	30.97
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	5	30.97
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	3	30.96
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	3	30.96
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	3	30.96
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	2	30.95
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	4	30.95
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	4	30.95
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	4	30.95
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	8	30.94
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	8	30.94
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	8	30.94
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	2	30.94
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	6	30.94
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	6	30.93
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	6	30.93
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	6	30.93
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	4	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	4	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	4	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	4	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	4	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	4	30.92
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	7	30.92
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	7	30.92
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	7	30.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	8	30.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	8	30.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	8	30.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	8	30.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	8	30.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	8	30.91
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	5	30.89
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	9	30.88
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	8	30.87
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	8	30.87
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	1	30.84
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	1	30.84
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	1	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	3	30.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	3	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	3	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	3	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	3	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	3	30.84
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	1	30.84
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	10	30.82
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	10	30.82
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	10	30.82
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	10	30.82
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	10	30.82
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	10	30.82
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	8	30.82
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	2	30.81
(2,233)	1:82:A:ALA:H	1:165:A:GLN:H	1	30.78
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	6	30.76
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	6	30.76
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	6	30.76
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	6	30.76
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	6	30.76
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	6	30.76
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	9	30.75
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	9	30.75
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	9	30.75
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	4	30.75
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	4	30.75
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	4	30.75
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	10	30.75
(2,467)	1:92:A:TRP:HE3	1:161:A:GLN:H	5	30.73
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	10	30.73
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	8	30.72
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	8	30.72
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	8	30.72
(2,466)	1:92:A:TRP:HE1	1:161:A:GLN:H	9	30.7
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD11	1	30.68
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD12	1	30.68
(2,598)	1:46:A:GLU:H	1:150:A:ILE:HD13	1	30.68
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	7	30.67
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	7	30.67
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	7	30.67
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	10	30.63
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	10	30.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	10	30.63
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	2	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	2	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	2	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	10	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	10	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	10	30.62
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	3	30.62
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	3	30.62
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	3	30.62
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	5	30.53
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	5	30.53
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	5	30.53
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG21	6	30.53
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG22	6	30.53
(2,1105)	1:70:A:LYS:H	1:53:A:ILE:HG23	6	30.53
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	6	30.51
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	6	30.51
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	8	30.49
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	6	30.45
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	5	30.45
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	5	30.45
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	9	30.38
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	9	30.38
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	6	30.37
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	6	30.37
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	3	30.36
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	2	30.34
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	3	30.34
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	2	30.34
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	3	30.34
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	10	30.33
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	10	30.33
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	5	30.3
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	2	30.29
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	2	30.29
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	2	30.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	2	30.29
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	2	30.29
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	2	30.29
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	8	30.29
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	8	30.29
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	1	30.28
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	1	30.28
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	8	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	8	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	8	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	8	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	8	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	8	30.26
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	3	30.26
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	9	30.24
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	9	30.24
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	9	30.24
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	9	30.24
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	9	30.24
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	9	30.24
(2,469)	1:92:A:TRP:HE3	1:52:A:ARG:H	10	30.23
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	7	30.23
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	4	30.23
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	8	30.23
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	4	30.23
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	8	30.23
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	1	30.22
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	1	30.22
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	1	30.22
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	1	30.22
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	1	30.22
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	1	30.22
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	4	30.18
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	7	30.16
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	7	30.16
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	7	30.14
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	8	30.13
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	7	30.12
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	7	30.12
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	4	30.11
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	6	30.09
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	6	30.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:53:A:ILE:H	1:88:A:GLN:H	10	30.07
(2,102)	1:88:A:GLN:H	1:53:A:ILE:H	10	30.07
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	4	30.05
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	4	30.05
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	6	30.04
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	4	30.03
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	4	30.03
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	3	29.97
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	3	29.97
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	3	29.97
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	9	29.93
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	9	29.93
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	9	29.93
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	8	29.92
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	10	29.91
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	10	29.91
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	10	29.91
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	10	29.91
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	10	29.91
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	10	29.91
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	10	29.88
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	6	29.87
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	10	29.87
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	6	29.81
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	6	29.81
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	6	29.81
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	6	29.81
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	6	29.81
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	6	29.81
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	10	29.8
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	10	29.8
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	7	29.79
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	7	29.79
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	7	29.78
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	1	29.76
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	1	29.76
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	1	29.76
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	5	29.7
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	5	29.7
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	5	29.7
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD11	2	29.69
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD12	2	29.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,763)	1:166:A:THR:H	1:18:A:ILE:HD13	2	29.69
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	5	29.68
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	5	29.68
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	5	29.68
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	4	29.67
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	3	29.66
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	3	29.66
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	9	29.64
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	9	29.64
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	9	29.64
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	2	29.61
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	2	29.61
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	2	29.61
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	9	29.59
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	9	29.59
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	9	29.59
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	1	29.58
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	1	29.58
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	1	29.58
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	8	29.56
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	3	29.55
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	10	29.54
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	10	29.54
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	10	29.54
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	1	29.54
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	1	29.54
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	1	29.54
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	8	29.51
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	8	29.51
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	8	29.51
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	4	29.51
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	5	29.49
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	9	29.48
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	3	29.45
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	3	29.45
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	3	29.45
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	6	29.44
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	6	29.44
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	6	29.44
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	8	29.43
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	8	29.42
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	8	29.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	8	29.42
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	1	29.42
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	10	29.41
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	6	29.4
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	6	29.4
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	6	29.4
(2,291)	1:99:A:ASN:H	1:162:A:GLN:H	2	29.4
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	2	29.36
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	2	29.36
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	2	29.36
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	6	29.36
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	10	29.35
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	7	29.34
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	6	29.32
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	6	29.32
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	6	29.31
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	5	29.29
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	5	29.29
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	5	29.29
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	8	29.29
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	8	29.29
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	7	29.24
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	7	29.24
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	7	29.24
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	1	29.24
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	1	29.24
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	8	29.2
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	8	29.2
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	8	29.2
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	9	29.19
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	9	29.19
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	5	29.16
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	5	29.16
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	4	29.14
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	4	29.14
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	4	29.14
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	10	29.14
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	3	29.14
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	3	29.14
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	8	29.13
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	5	29.13
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	10	29.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	10	29.12
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	10	29.12
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	2	29.12
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	2	29.12
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	2	29.12
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	2	29.11
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	9	29.1
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	9	29.1
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	9	29.1
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	6	29.08
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	6	29.08
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	6	29.08
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	5	29.06
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	5	29.06
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	7	29.06
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	5	29.06
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	7	29.06
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	8	29.05
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	8	29.05
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	8	29.05
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	6	29.04
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	6	29.04
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	6	29.04
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	10	29.04
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	10	29.04
(2,122)	1:54:A:LEU:H	1:88:A:GLN:H	1	29.04
(2,269)	1:81:A:ASP:H	1:165:A:GLN:H	1	29.02
(2,225)	1:81:A:ASP:H	1:165:A:GLN:H	1	29.02
(2,210)	1:165:A:GLN:H	1:81:A:ASP:H	1	29.02
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	1	29.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	1	29.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	1	29.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	1	29.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	1	29.01
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	1	29.01
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	1	29.01
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	10	28.98
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	10	28.98
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	10	28.98
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	4	28.98
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	4	28.98
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB1	10	28.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB2	10	28.94
(2,859)	1:54:A:LEU:H	1:20:A:ALA:HB3	10	28.94
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	6	28.94
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	2	28.93
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	2	28.93
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	1	28.92
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	1	28.92
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	1	28.92
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	2	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	2	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	2	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	2	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	2	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	2	28.91
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	9	28.91
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	5	28.87
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG11	9	28.83
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG12	9	28.83
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG13	9	28.83
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG21	9	28.83
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG22	9	28.83
(2,999)	1:46:A:GLU:H	1:153:A:VAL:HG23	9	28.83
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	4	28.82
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	4	28.82
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	4	28.82
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	4	28.82
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	4	28.82
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	4	28.82
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	3	28.77
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	9	28.76
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	9	28.76
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	9	28.76
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	2	28.76
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	2	28.76
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	7	28.75
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	7	28.75
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	7	28.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	7	28.75
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	5	28.74
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	5	28.74
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	5	28.74
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	4	28.73
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	4	28.73
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	4	28.73
(2,470)	1:92:A:TRP:HE1	1:160:A:PHE:H	9	28.73
(2,427)	1:160:A:PHE:H	1:92:A:TRP:HE1	9	28.73
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	2	28.72
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	2	28.72
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	2	28.72
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	3	28.72
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	3	28.72
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	3	28.72
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	3	28.72
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	3	28.72
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	3	28.72
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	3	28.71
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	3	28.71
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	3	28.71
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	3	28.71
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	3	28.71
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	3	28.71
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	1	28.71
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	7	28.69
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	7	28.69
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	7	28.69
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	2	28.68
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	4	28.68
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	3	28.67
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	3	28.67
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	3	28.67
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	8	28.66
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	8	28.66
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	8	28.66
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	9	28.66
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	9	28.66
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG11	7	28.63
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG12	7	28.63
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG13	7	28.63
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG21	7	28.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG22	7	28.63
(2,998)	1:46:A:GLU:H	1:151:A:VAL:HG23	7	28.63
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	6	28.58
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	6	28.58
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	6	28.58
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	1	28.58
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	1	28.58
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	9	28.58
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	7	28.54
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	7	28.54
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	7	28.54
(2,434)	1:164:A:GLY:H	1:25:A:ALA:H	5	28.54
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	5	28.53
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	4	28.51
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	4	28.51
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	4	28.51
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	4	28.51
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	4	28.51
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	4	28.51
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	2	28.51
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	2	28.51
(2,98)	1:88:A:GLN:H	1:45:A:ASP:H	1	28.49
(2,457)	1:116:A:ARG:H	1:173:A:THR:H	5	28.42
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	10	28.41
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	10	28.41
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	10	28.41
(2,471)	1:92:A:TRP:HE3	1:160:A:PHE:H	5	28.41
(2,428)	1:160:A:PHE:H	1:92:A:TRP:HE3	5	28.41
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG21	3	28.39
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG22	3	28.39
(2,1111)	1:81:A:ASP:H	1:53:A:ILE:HG23	3	28.39
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	3	28.37
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	3	28.37
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	3	28.37
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	10	28.28
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	10	28.28
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	10	28.28
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	4	28.25
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	4	28.25
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	4	28.25
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD11	7	28.17
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD12	7	28.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,767)	1:169:A:GLU:H	1:135:A:ILE:HD13	7	28.17
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	8	28.15
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	8	28.15
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	8	28.15
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	7	28.14
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	7	28.14
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	7	28.14
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	8	28.14
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	8	28.14
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	8	28.14
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	1	28.09
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	1	28.09
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	1	28.09
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	6	28.06
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	6	28.06
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	6	28.06
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	9	28.05
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	9	28.05
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	9	28.05
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	9	28.04
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	9	28.04
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	9	28.04
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	1	27.97
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	1	27.97
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	1	27.97
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	5	27.96
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	5	27.96
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	5	27.96
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	7	27.92
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	7	27.92
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	7	27.92
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	8	27.92
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	8	27.92
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	8	27.92
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	2	27.91
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	2	27.91
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	2	27.91
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	6	27.87
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	6	27.87
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	6	27.87
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	6	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	6	27.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	6	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	10	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	10	27.83
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	10	27.83
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	4	27.82
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	4	27.82
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	4	27.82
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	2	27.8
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	2	27.8
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	2	27.8
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	9	27.79
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	9	27.79
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	9	27.79
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	4	27.71
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	4	27.71
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	4	27.71
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	1	27.7
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	1	27.7
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	1	27.7
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	5	27.67
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	5	27.67
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	5	27.67
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	6	27.66
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	2	27.63
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	2	27.63
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	2	27.63
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	8	27.63
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	5	27.63
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	4	27.62
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	4	27.62
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	4	27.62
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	2	27.6
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	7	27.6
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG21	3	27.59
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG22	3	27.59
(2,1120)	1:80:A:GLU:H	1:53:A:ILE:HG23	3	27.59
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	3	27.57
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD11	5	27.54
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD12	5	27.54
(2,674)	1:165:A:GLN:H	1:6:A:ILE:HD13	5	27.54
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	4	27.54
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	4	27.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	4	27.52
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	4	27.52
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	3	27.52
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	3	27.52
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	3	27.52
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	10	27.51
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	10	27.51
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	10	27.51
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	10	27.5
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	10	27.5
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	10	27.5
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	3	27.5
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	3	27.5
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	3	27.5
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	7	27.5
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	8	27.48
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	8	27.48
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	8	27.48
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	7	27.47
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	7	27.47
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	7	27.47
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	10	27.41
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	4	27.4
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	1	27.36
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	9	27.35
(2,94)	1:46:A:GLU:H	1:109:A:GLY:H	3	27.33
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	6	27.31
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	6	27.31
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	6	27.31
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	7	27.31
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	7	27.31
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	7	27.31
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	9	27.31
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	9	27.31
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	9	27.31
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	2	27.29
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	2	27.29
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	2	27.29
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	9	27.22
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	9	27.22
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	9	27.22
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	1	27.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	1	27.17
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	1	27.17
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	1	27.17
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	1	27.17
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	1	27.17
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	5	27.14
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	5	27.14
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	5	27.14
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	1	27.13
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	1	27.13
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	1	27.13
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	7	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	7	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	7	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	9	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	9	27.12
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	9	27.12
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	9	27.11
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	9	27.11
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	9	27.11
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	2	27.09
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	2	27.09
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	2	27.09
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	2	27.09
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	2	27.09
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	2	27.09
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	5	27.05
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	5	27.05
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	5	27.05
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	3	27.05
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	3	27.05
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	3	27.05
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	9	27.02
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	9	27.02
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	5	27.0
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	5	27.0
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	4	26.99
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	4	26.99
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	4	26.99
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	1	26.99
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	1	26.99
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	1	26.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB1	5	26.99
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB2	5	26.99
(2,884)	1:165:A:GLN:H	1:21:A:ALA:HB3	5	26.99
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	1	26.99
(2,214)	1:165:A:GLN:H	1:79:A:ILE:H	2	26.99
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	1	26.99
(2,176)	1:79:A:ILE:H	1:165:A:GLN:H	2	26.99
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	2	26.95
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	2	26.95
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	2	26.95
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD11	5	26.95
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD12	5	26.95
(2,773)	1:172:A:GLY:H	1:135:A:ILE:HD13	5	26.95
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	6	26.87
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	6	26.87
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	6	26.87
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	8	26.86
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	8	26.86
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	8	26.86
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG21	3	26.85
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG22	3	26.85
(2,1084)	1:79:A:ILE:H	1:53:A:ILE:HG23	3	26.85
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	8	26.81
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	8	26.81
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	8	26.81
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	6	26.79
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	6	26.79
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	6	26.79
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	6	26.75
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	6	26.75
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	6	26.75
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	7	26.74
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	3	26.73
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	4	26.71
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	3	26.7
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	3	26.7
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	3	26.7
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	10	26.69
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	10	26.69
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	10	26.69
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	1	26.63
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	9	26.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	9	26.62
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	9	26.62
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	10	26.62
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	10	26.62
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	10	26.62
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	1	26.6
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	1	26.6
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	1	26.6
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD11	8	26.6
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD12	8	26.6
(1,5)	1:162:A:GLN:H	1:143:A:ILE:HD13	8	26.6
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	4	26.57
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	4	26.57
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	4	26.57
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	7	26.57
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	7	26.57
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	7	26.57
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	5	26.54
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	2	26.53
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	2	26.53
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	2	26.53
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	7	26.53
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	7	26.53
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	7	26.53
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD11	4	26.52
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD12	4	26.52
(2,769)	1:170:A:ALA:H	1:135:A:ILE:HD13	4	26.52
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	2	26.52
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	5	26.49
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	5	26.49
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	5	26.49
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	9	26.48
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB1	5	26.47
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB2	5	26.47
(2,914)	1:162:A:GLN:H	1:106:A:ALA:HB3	5	26.47
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	6	26.45
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	6	26.45
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	6	26.45
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	8	26.43
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	8	26.43
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	8	26.43
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	10	26.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	10	26.36
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	10	26.36
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	4	26.35
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	2	26.34
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	2	26.34
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	2	26.34
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	2	26.32
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	2	26.32
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	2	26.32
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	4	26.31
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	4	26.31
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	4	26.31
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	10	26.29
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	10	26.29
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	10	26.29
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	9	26.25
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	9	26.25
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	9	26.25
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	3	26.24
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	1	26.22
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	1	26.22
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	1	26.22
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	3	26.22
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	3	26.22
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	3	26.22
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	3	26.2
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	3	26.2
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	3	26.2
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	1	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	1	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	1	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	9	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	9	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	9	26.18
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	7	26.13
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	7	26.13
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	7	26.13
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	8	26.13
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	3	26.12
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	3	26.12
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	3	26.12
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	7	26.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	5	26.1
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	5	26.1
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	5	26.1
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	4	26.1
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	4	26.1
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	4	26.1
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	4	26.08
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	4	26.08
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	4	26.08
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	10	26.08
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	4	26.07
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	4	26.07
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	4	26.07
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	3	26.03
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	3	26.03
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	3	26.03
(2,350)	1:118:A:TYR:H	1:104:A:TYR:H	6	26.02
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	7	25.95
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	7	25.95
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	7	25.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	4	25.94
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	4	25.94
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	4	25.94
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	3	25.92
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	3	25.92
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	3	25.92
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	3	25.9
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	3	25.9
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	3	25.9
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	7	25.89
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	7	25.89
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	7	25.89
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	6	25.86
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	6	25.86
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	6	25.86
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	6	25.86
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	6	25.86
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	6	25.86
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	7	25.82
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	7	25.82
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	7	25.82
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	7	25.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	7	25.82
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	7	25.82
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	4	25.77
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	4	25.77
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	4	25.77
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	7	25.68
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	7	25.68
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	7	25.68
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	8	25.67
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	8	25.67
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	8	25.67
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	8	25.67
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	8	25.67
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	8	25.67
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	9	25.62
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	9	25.62
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	9	25.62
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	9	25.62
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	9	25.62
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	9	25.62
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	10	25.61
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	10	25.61
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	10	25.61
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	10	25.61
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	10	25.61
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	10	25.61
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	6	25.59
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	6	25.59
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	6	25.59
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	6	25.59
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	6	25.59
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	6	25.59
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	6	25.59
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	8	25.55
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	8	25.55
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	8	25.55
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	8	25.55
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	8	25.55
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	8	25.55
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	8	25.54
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	5	25.52
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	5	25.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	5	25.52
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	1	25.5
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	1	25.5
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	1	25.5
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	1	25.5
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	1	25.5
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	1	25.5
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	8	25.48
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	8	25.48
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	8	25.48
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	2	25.47
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	2	25.47
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	2	25.47
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	2	25.47
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	2	25.47
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	2	25.47
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	6	25.44
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	6	25.44
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	6	25.44
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	7	25.44
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	7	25.44
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	7	25.44
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	8	25.43
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	8	25.43
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	8	25.43
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	10	25.43
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	4	25.42
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	4	25.42
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	4	25.42
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	2	25.41
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	2	25.41
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	2	25.41
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	6	25.37
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	6	25.37
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	6	25.37
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG21	10	25.37
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG22	10	25.37
(2,1047)	1:101:A:ASN:H	1:167:A:THR:HG23	10	25.37
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	5	25.37
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	3	25.36
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	3	25.36
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	3	25.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	9	25.35
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	9	25.35
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	9	25.35
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	8	25.35
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	8	25.35
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	8	25.35
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	10	25.34
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	10	25.34
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	10	25.34
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	7	25.31
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	7	25.31
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	7	25.31
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	1	25.31
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	6	25.3
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	6	25.3
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	6	25.3
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	3	25.3
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	3	25.3
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	3	25.3
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	9	25.3
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	10	25.29
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	10	25.29
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	10	25.29
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	10	25.29
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	10	25.29
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	10	25.29
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG21	8	25.28
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG22	8	25.28
(2,1096)	1:53:A:ILE:H	1:79:A:ILE:HG23	8	25.28
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	10	25.27
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	10	25.27
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	10	25.27
(2,217)	1:165:A:GLN:H	1:78:A:ALA:H	2	25.27
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	1	25.26
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	1	25.26
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	1	25.26
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	5	25.26
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	5	25.26
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	5	25.26
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	5	25.26
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	5	25.26
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	5	25.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	5	25.21
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	5	25.21
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	5	25.21
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	3	25.2
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	3	25.2
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	3	25.2
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	10	25.19
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	10	25.19
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	10	25.19
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	4	25.19
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	4	25.19
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	4	25.19
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	9	25.19
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	9	25.19
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	9	25.19
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	4	25.18
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	4	25.18
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	4	25.18
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	4	25.18
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	4	25.18
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	4	25.18
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	3	25.17
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	6	25.16
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	6	25.16
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	6	25.16
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	1	25.15
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	1	25.15
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	1	25.15
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	2	25.14
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	2	25.14
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	2	25.14
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	7	25.13
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	7	25.13
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	7	25.13
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	5	25.13
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	5	25.13
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	5	25.13
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	5	25.12
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	5	25.12
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	5	25.12
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	3	25.11
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	3	25.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	3	25.11
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	3	25.11
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	3	25.11
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	3	25.11
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	3	25.11
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	3	25.11
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	3	25.11
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	8	25.09
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	8	25.09
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	8	25.09
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	6	25.09
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	7	25.08
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	7	25.08
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	7	25.08
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	2	25.08
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	2	25.08
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	2	25.08
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD11	7	25.08
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD12	7	25.08
(2,764)	1:168:A:GLY:H	1:18:A:ILE:HD13	7	25.08
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD11	7	25.08
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD12	7	25.08
(1,19)	1:168:A:GLY:H	1:18:A:ILE:HD13	7	25.08
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	6	25.07
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	6	25.07
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	6	25.07
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	1	25.07
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	1	25.07
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	1	25.07
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	7	25.07
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	7	25.07
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	7	25.07
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	4	25.02
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	4	25.02
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	4	25.02
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	9	25.02
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	9	25.02
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	9	25.02
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	8	25.0
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	10	25.0
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	2	24.99
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	2	24.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	2	24.99
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	8	24.97
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	8	24.97
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	8	24.97
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	6	24.97
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	6	24.97
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	6	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	2	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	2	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	2	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	9	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	9	24.97
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	9	24.97
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	1	24.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	1	24.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	1	24.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	10	24.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	10	24.95
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	10	24.95
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	8	24.95
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	8	24.95
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	8	24.95
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	3	24.94
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	3	24.94
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	3	24.94
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	8	24.93
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	8	24.93
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	8	24.93
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	4	24.92
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	4	24.92
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	4	24.92
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	4	24.91
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	4	24.91
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	4	24.91
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	10	24.91
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	10	24.91
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	10	24.91
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	9	24.91
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	3	24.9
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	3	24.9
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	3	24.9
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	3	24.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	3	24.9
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	3	24.9
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	6	24.89
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	6	24.89
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	6	24.89
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	10	24.88
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	10	24.88
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	10	24.88
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	2	24.87
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	2	24.87
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	2	24.87
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	9	24.87
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	9	24.87
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	9	24.87
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	5	24.87
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	6	24.86
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	6	24.86
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	6	24.86
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	8	24.85
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	8	24.85
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	8	24.85
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	4	24.85
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	4	24.85
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	4	24.85
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	9	24.85
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	9	24.85
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	9	24.85
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	7	24.85
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	7	24.85
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	7	24.85
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	7	24.85
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	7	24.85
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	7	24.85
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	8	24.84
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	8	24.84
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	8	24.84
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	6	24.84
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	6	24.84
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	6	24.84
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	9	24.84
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	9	24.84
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	9	24.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	6	24.84
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	6	24.84
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	6	24.84
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG21	6	24.83
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG22	6	24.83
(2,1116)	1:54:A:LEU:H	1:79:A:ILE:HG23	6	24.83
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	1	24.8
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	1	24.8
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	1	24.8
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	10	24.79
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	10	24.79
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	10	24.79
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	3	24.79
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	3	24.79
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	3	24.79
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG21	5	24.78
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG22	5	24.78
(2,1037)	1:102:A:ASP:H	1:167:A:THR:HG23	5	24.78
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	7	24.76
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	7	24.76
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	7	24.76
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	2	24.76
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	10	24.75
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	10	24.75
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	10	24.75
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	6	24.74
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	6	24.74
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	6	24.74
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	8	24.72
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	8	24.72
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	8	24.72
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	8	24.72
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	8	24.72
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	8	24.72
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	4	24.69
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	4	24.69
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	4	24.69
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	1	24.69
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	1	24.69
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	1	24.69
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	2	24.69
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	2	24.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	2	24.69
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	4	24.69
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	4	24.69
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	4	24.69
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	7	24.68
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	7	24.68
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	7	24.68
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	1	24.66
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD11	1	24.64
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD12	1	24.64
(2,599)	1:46:A:GLU:H	1:130:A:ILE:HD13	1	24.64
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	10	24.62
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	10	24.62
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	10	24.62
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	4	24.61
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	4	24.6
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	4	24.6
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	4	24.6
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	9	24.6
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	3	24.59
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	3	24.59
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	3	24.59
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	9	24.59
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	9	24.59
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	9	24.59
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD11	5	24.59
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD12	5	24.59
(2,672)	1:165:A:GLN:H	1:89:A:ILE:HD13	5	24.59
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	7	24.58
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	7	24.58
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	7	24.58
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	8	24.58
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	8	24.58
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	8	24.58
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	10	24.56
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	10	24.56
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	10	24.56
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	1	24.56
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	10	24.56
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	10	24.56
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	10	24.56
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	8	24.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	8	24.55
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	8	24.55
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	3	24.55
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	3	24.55
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	3	24.55
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	3	24.55
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	3	24.55
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	3	24.55
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	10	24.51
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	10	24.51
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	10	24.51
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	4	24.51
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	4	24.51
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	4	24.51
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	4	24.51
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	4	24.51
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	4	24.51
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	3	24.5
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	3	24.5
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	3	24.5
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	6	24.49
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	6	24.49
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	6	24.49
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	5	24.49
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	5	24.49
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	5	24.49
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	9	24.49
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	9	24.49
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	9	24.49
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	9	24.49
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	9	24.49
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	9	24.49
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	1	24.48
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	1	24.48
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	1	24.48
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	10	24.43
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	10	24.43
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	10	24.43
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	1	24.43
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	1	24.43
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	1	24.43
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	4	24.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	4	24.43
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	1	24.43
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	1	24.43
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	1	24.43
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	5	24.42
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	5	24.42
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	5	24.42
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG21	2	24.41
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG22	2	24.41
(2,1121)	1:165:A:GLN:H	1:6:A:ILE:HG23	2	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	6	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	6	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	6	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	8	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	8	24.41
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	8	24.41
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	2	24.41
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	2	24.4
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	2	24.4
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	2	24.4
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	2	24.4
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	2	24.4
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	2	24.4
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	7	24.39
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	7	24.39
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	7	24.39
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	2	24.38
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	2	24.38
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	2	24.38
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	6	24.36
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	6	24.36
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	6	24.36
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	4	24.35
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	4	24.35
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	4	24.35
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	7	24.35
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	7	24.35
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	7	24.35
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	7	24.35
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	7	24.35
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	7	24.35
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	1	24.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	1	24.29
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	1	24.29
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	3	24.25
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	3	24.25
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	9	24.24
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	9	24.24
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	9	24.24
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	9	24.23
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	9	24.23
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	9	24.23
(2,459)	1:116:A:ARG:H	1:170:A:ALA:H	5	24.22
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	4	24.2
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	4	24.2
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	4	24.2
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD11	5	24.2
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD12	5	24.2
(2,765)	1:169:A:GLU:H	1:18:A:ILE:HD13	5	24.2
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD11	5	24.2
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD12	5	24.2
(1,2)	1:169:A:GLU:H	1:18:A:ILE:HD13	5	24.2
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD11	10	24.18
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD12	10	24.18
(2,775)	1:173:A:THR:H	1:18:A:ILE:HD13	10	24.18
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	3	24.17
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	3	24.17
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	3	24.17
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	8	24.17
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	8	24.17
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	8	24.17
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	8	24.17
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	8	24.17
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	8	24.17
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	8	24.14
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	8	24.14
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	8	24.14
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	1	24.14
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	1	24.14
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	1	24.14
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	7	24.13
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	7	24.13
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	7	24.13
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	5	24.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	5	24.09
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	5	24.09
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	6	24.09
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	6	24.09
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	6	24.09
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	4	24.09
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	4	24.09
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	4	24.09
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	6	24.08
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	6	24.08
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	6	24.08
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	9	24.08
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	3	24.08
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	3	24.08
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	3	24.08
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	9	24.06
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	9	24.06
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	9	24.06
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	1	24.04
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	1	24.04
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	1	24.04
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	10	24.01
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	10	24.01
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	10	24.01
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	2	24.0
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	2	24.0
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	2	24.0
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	9	24.0
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	9	24.0
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	1	23.99
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	1	23.99
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	1	23.99
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	2	23.99
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	2	23.99
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	2	23.99
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	5	23.98
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	5	23.98
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	5	23.98
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	1	23.97
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	1	23.96
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	1	23.96
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	5	23.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	2	23.95
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	2	23.95
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	1	23.94
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	1	23.94
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	1	23.94
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	6	23.94
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	6	23.94
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	6	23.94
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	3	23.93
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	3	23.93
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	3	23.93
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	10	23.89
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	10	23.89
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	10	23.89
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	9	23.88
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	9	23.87
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	9	23.87
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	9	23.87
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	10	23.85
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	10	23.85
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	10	23.85
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	2	23.84
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	2	23.84
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	2	23.84
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	9	23.83
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	9	23.83
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	9	23.83
(2,218)	1:165:A:GLN:H	1:146:A:LEU:H	2	23.83
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	10	23.82
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	10	23.82
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	8	23.79
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	8	23.79
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	8	23.79
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	4	23.78
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	4	23.78
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	4	23.78
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	5	23.72
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	5	23.72
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	1	23.7
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	8	23.69
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	8	23.69
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	8	23.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	4	23.68
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	8	23.68
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	8	23.68
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	8	23.68
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	6	23.67
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	6	23.67
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	6	23.67
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	2	23.67
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	2	23.67
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	2	23.67
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	2	23.64
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	3	23.63
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	7	23.62
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	7	23.62
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	7	23.62
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	5	23.61
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	5	23.61
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	5	23.61
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	8	23.61
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	7	23.61
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	8	23.61
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	5	23.59
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	9	23.57
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	9	23.57
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	9	23.57
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	8	23.57
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG21	7	23.57
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG22	7	23.57
(1,27)	1:169:A:GLU:H	1:18:A:ILE:HG23	7	23.57
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG21	10	23.56
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG22	10	23.56
(2,1053)	1:106:A:ALA:H	1:167:A:THR:HG23	10	23.56
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD11	5	23.56
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD12	5	23.56
(2,677)	1:165:A:GLN:H	1:130:A:ILE:HD13	5	23.56
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	5	23.55
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	5	23.55
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	5	23.55
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	4	23.51
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	4	23.51
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	4	23.51
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	4	23.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	4	23.51
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	4	23.51
(2,164)	1:71:A:ARG:H	1:6:A:ILE:H	6	23.49
(2,1)	1:6:A:ILE:H	1:71:A:ARG:H	6	23.49
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	9	23.48
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	9	23.48
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	9	23.48
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	4	23.47
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	4	23.47
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	4	23.47
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	5	23.45
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	5	23.45
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	5	23.45
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	6	23.44
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	7	23.43
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	7	23.43
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	7	23.43
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	2	23.42
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	2	23.42
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	2	23.42
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	1	23.42
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	1	23.42
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	1	23.42
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	1	23.41
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	1	23.41
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	1	23.41
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	6	23.41
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	6	23.41
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	6	23.41
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	10	23.41
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	6	23.41
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	6	23.41
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	6	23.41
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB1	5	23.4
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB2	5	23.4
(2,888)	1:165:A:GLN:H	1:20:A:ALA:HB3	5	23.4
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	2	23.4
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	2	23.4
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	2	23.4
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	10	23.4
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	10	23.4
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	10	23.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	3	23.39
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	3	23.39
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	3	23.39
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	9	23.37
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	9	23.37
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	9	23.37
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	3	23.37
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	3	23.37
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	3	23.37
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	2	23.37
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	6	23.37
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	6	23.37
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	6	23.37
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	3	23.36
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	3	23.36
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	3	23.36
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	7	23.36
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	7	23.36
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	7	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	3	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	3	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	3	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	7	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	7	23.36
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	7	23.36
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	10	23.35
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	10	23.35
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	10	23.35
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	1	23.34
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	1	23.34
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	1	23.34
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	5	23.33
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	6	23.31
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	6	23.31
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	6	23.31
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	9	23.31
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	9	23.3
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	9	23.3
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	9	23.3
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	9	23.3
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	9	23.3
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	9	23.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	1	23.29
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	1	23.29
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	1	23.29
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	2	23.29
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	2	23.29
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	2	23.29
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	6	23.28
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	7	23.27
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	7	23.27
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	7	23.27
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	2	23.26
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	2	23.26
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	2	23.26
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	2	23.26
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	2	23.26
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	2	23.26
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	8	23.25
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	8	23.25
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	8	23.25
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	9	23.24
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	9	23.24
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	9	23.24
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	1	23.22
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	1	23.22
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	1	23.22
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	1	23.22
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	1	23.22
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	1	23.22
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	2	23.21
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	2	23.21
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	2	23.21
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	4	23.21
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	4	23.21
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	4	23.21
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG21	6	23.2
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG22	6	23.2
(2,1066)	1:88:A:GLN:H	1:173:A:THR:HG23	6	23.2
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	1	23.2
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	3	23.17
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	3	23.17
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	3	23.17
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	3	23.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	3	23.17
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	3	23.17
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG21	5	23.16
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG22	5	23.16
(2,1122)	1:165:A:GLN:H	1:79:A:ILE:HG23	5	23.16
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	2	23.16
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	2	23.16
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	2	23.16
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	2	23.16
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	2	23.16
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	2	23.16
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	4	23.16
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	4	23.16
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	4	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	1	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	1	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	1	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	5	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	5	23.16
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	5	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	1	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	1	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	1	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	5	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	5	23.16
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	5	23.16
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	1	23.15
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	1	23.15
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	1	23.15
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	7	23.15
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	7	23.15
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	7	23.15
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	4	23.15
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	4	23.15
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	4	23.15
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	8	23.15
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	8	23.14
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	8	23.14
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	8	23.14
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	8	23.14
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	8	23.14
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	8	23.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	3	23.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	3	23.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	3	23.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	7	23.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	7	23.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	7	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	6	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	6	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	6	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	10	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	10	23.12
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	10	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	6	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	6	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	6	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	10	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	10	23.12
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	10	23.12
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	9	23.09
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	9	23.09
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	9	23.09
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	9	23.09
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	9	23.09
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	9	23.09
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	4	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	4	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	4	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	5	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	5	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	5	23.08
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	9	23.07
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	9	23.07
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	9	23.07
(2,59)	1:125:A:ALA:H	1:22:A:THR:H	10	23.07
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	9	23.06
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	9	23.06
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	9	23.06
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	9	23.06
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	9	23.06
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	9	23.06
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	1	23.05
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	1	23.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	1	23.05
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	9	23.05
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	9	23.05
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	9	23.05
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	2	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	2	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	2	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	10	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	10	23.04
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	10	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	2	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	2	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	2	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	10	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	10	23.04
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	10	23.04
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	5	23.03
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	5	23.03
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	5	23.03
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	3	23.03
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	3	23.03
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	3	23.03
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	7	23.02
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	7	23.02
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	7	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	1	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	1	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	1	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	4	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	4	23.02
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	4	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	1	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	1	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	1	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	4	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	4	23.02
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	4	23.02
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	10	23.0
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	10	23.0
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	10	23.0
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	3	23.0
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	3	23.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	3	23.0
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	3	23.0
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	3	23.0
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	3	23.0
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	3	22.98
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	3	22.98
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	3	22.98
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB1	5	22.98
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB2	5	22.98
(2,930)	1:160:A:PHE:H	1:20:A:ALA:HB3	5	22.98
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	5	22.98
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	5	22.98
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	5	22.98
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	2	22.97
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	2	22.97
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	2	22.97
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	7	22.97
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	7	22.97
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	7	22.97
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	5	22.96
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	5	22.96
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	5	22.96
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD11	8	22.94
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD12	8	22.94
(2,762)	1:160:A:PHE:H	1:143:A:ILE:HD13	8	22.94
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD11	8	22.94
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD12	8	22.94
(1,4)	1:160:A:PHE:H	1:143:A:ILE:HD13	8	22.94
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	7	22.92
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	7	22.92
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	7	22.92
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	9	22.92
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	9	22.92
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	9	22.92
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	7	22.92
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	7	22.92
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	7	22.92
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	4	22.91
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	4	22.91
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	4	22.91
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	2	22.9
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	2	22.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	2	22.9
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	5	22.88
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	5	22.88
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	5	22.88
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	2	22.87
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	2	22.87
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	2	22.87
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	1	22.86
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	1	22.86
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	1	22.86
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	3	22.83
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	3	22.83
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	3	22.83
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	4	22.82
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	4	22.82
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	4	22.82
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD11	5	22.77
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD12	5	22.77
(2,768)	1:170:A:ALA:H	1:18:A:ILE:HD13	5	22.77
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD11	5	22.77
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD12	5	22.77
(1,1)	1:170:A:ALA:H	1:18:A:ILE:HD13	5	22.77
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	4	22.76
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	4	22.76
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	4	22.76
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	2	22.76
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	2	22.76
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	2	22.76
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	2	22.76
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	2	22.76
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	2	22.76
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	8	22.72
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	8	22.72
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	8	22.72
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	7	22.67
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	7	22.67
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	7	22.67
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	6	22.66
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	6	22.66
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	6	22.66
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	3	22.66
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	3	22.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	3	22.66
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	8	22.65
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	8	22.65
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	8	22.65
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	6	22.65
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	6	22.65
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	6	22.65
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	1	22.65
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	1	22.65
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	1	22.65
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	9	22.64
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	9	22.64
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	9	22.64
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	9	22.64
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	9	22.64
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	9	22.64
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	2	22.63
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	2	22.63
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	2	22.63
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD11	7	22.63
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD12	7	22.63
(2,605)	1:88:A:GLN:H	1:53:A:ILE:HD13	7	22.63
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	9	22.62
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	9	22.62
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	9	22.62
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	5	22.62
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	5	22.62
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	5	22.62
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	9	22.62
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	9	22.62
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	9	22.62
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	2	22.61
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	2	22.61
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	2	22.61
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	1	22.6
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	1	22.6
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	1	22.6
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	10	22.6
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	10	22.6
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	10	22.6
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	7	22.59
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	7	22.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	7	22.59
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD11	7	22.58
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD12	7	22.58
(2,701)	1:90:A:LYS:H	1:53:A:ILE:HD13	7	22.58
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	4	22.58
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	2	22.57
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	2	22.57
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	2	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	6	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	6	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	6	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	10	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	10	22.57
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	10	22.57
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	9	22.55
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	9	22.55
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	9	22.55
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	1	22.55
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	1	22.55
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	1	22.55
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	3	22.55
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	3	22.55
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	3	22.55
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	1	22.55
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	1	22.55
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	1	22.55
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	2	22.54
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	2	22.54
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	2	22.54
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	4	22.53
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	4	22.53
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	4	22.53
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	7	22.52
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	4	22.51
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	4	22.51
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	4	22.51
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	7	22.51
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	7	22.51
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	7	22.51
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	1	22.51
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	1	22.51
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	1	22.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:134:A:VAL:H	1:154:A:SER:H	3	22.49
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	1	22.46
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	1	22.46
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	1	22.46
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG21	10	22.46
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG22	10	22.46
(2,1051)	1:19:A:ASP:H	1:167:A:THR:HG23	10	22.46
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD11	1	22.44
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD12	1	22.44
(2,680)	1:165:A:GLN:H	1:79:A:ILE:HD13	1	22.44
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	9	22.43
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	9	22.43
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	9	22.43
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	1	22.42
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	1	22.42
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	1	22.42
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD11	5	22.42
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD12	5	22.42
(2,772)	1:172:A:GLY:H	1:18:A:ILE:HD13	5	22.42
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD11	5	22.42
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD12	5	22.42
(1,3)	1:172:A:GLY:H	1:18:A:ILE:HD13	5	22.42
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD11	5	22.4
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD12	5	22.4
(1,10)	1:160:A:PHE:H	1:6:A:ILE:HD13	5	22.4
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	7	22.39
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	7	22.39
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	7	22.39
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	4	22.39
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	4	22.39
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	4	22.39
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	8	22.39
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	8	22.39
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	8	22.39
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	4	22.36
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	4	22.36
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	4	22.36
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	5	22.35
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	5	22.35
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	5	22.35
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	3	22.34
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	3	22.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	3	22.34
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	5	22.34
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	5	22.34
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	5	22.34
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	3	22.32
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	3	22.32
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	3	22.32
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	9	22.32
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	9	22.32
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	9	22.32
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	2	22.31
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	2	22.31
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	2	22.31
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB1	5	22.29
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB2	5	22.29
(2,929)	1:160:A:PHE:H	1:106:A:ALA:HB3	5	22.29
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	3	22.28
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	3	22.28
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	3	22.28
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	2	22.24
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	2	22.24
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	2	22.24
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG21	4	22.21
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG22	4	22.21
(2,1114)	1:88:A:GLN:H	1:53:A:ILE:HG23	4	22.21
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	5	22.21
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	5	22.21
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	5	22.21
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	2	22.2
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	2	22.2
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	2	22.2
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	7	22.2
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	7	22.2
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	7	22.2
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	3	22.16
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	3	22.16
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	3	22.16
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	3	22.13
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	5	22.1
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	5	22.1
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	5	22.1
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	2	22.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	2	22.09
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	2	22.09
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	7	22.08
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	7	22.08
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	7	22.08
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	4	22.08
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	9	22.07
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	9	22.07
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	9	22.07
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	3	22.06
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	3	22.06
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	3	22.06
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD11	1	22.05
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD12	1	22.05
(2,607)	1:48:A:THR:H	1:135:A:ILE:HD13	1	22.05
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	4	22.04
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	4	22.04
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	4	22.04
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	3	22.02
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	3	22.02
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	3	22.02
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	9	21.99
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	9	21.99
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	9	21.99
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	1	21.98
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	1	21.98
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	1	21.98
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	7	21.98
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	6	21.95
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	6	21.95
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	6	21.95
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	8	21.94
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	8	21.94
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	8	21.94
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	1	21.92
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	1	21.92
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	1	21.92
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	4	21.91
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	4	21.91
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	4	21.91
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	6	21.9
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	6	21.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	6	21.9
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	4	21.87
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	4	21.87
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	4	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	2	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	2	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	2	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	5	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	5	21.87
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	5	21.87
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	9	21.85
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	9	21.85
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	9	21.85
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	7	21.81
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	7	21.81
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	7	21.81
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	2	21.79
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	2	21.79
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	2	21.79
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	9	21.79
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	9	21.79
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	9	21.79
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	5	21.77
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	5	21.77
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	5	21.77
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	9	21.76
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	9	21.76
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	9	21.76
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG21	10	21.75
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG22	10	21.75
(2,1087)	1:8:A:GLY:H	1:53:A:ILE:HG23	10	21.75
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	8	21.7
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	8	21.7
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	8	21.7
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	1	21.68
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	1	21.68
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	1	21.68
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	2	21.63
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	2	21.63
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	2	21.63
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	6	21.6
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	6	21.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	6	21.6
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG21	5	21.6
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG22	5	21.6
(2,1078)	1:172:A:GLY:H	1:18:A:ILE:HG23	5	21.6
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	8	21.59
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	8	21.59
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	8	21.59
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	6	21.59
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	6	21.59
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	6	21.59
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG21	10	21.56
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG22	10	21.56
(2,1108)	1:12:A:LYS:H	1:53:A:ILE:HG23	10	21.56
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	1	21.54
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	1	21.54
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	1	21.54
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	10	21.53
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	10	21.53
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	10	21.53
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	8	21.53
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	8	21.53
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	8	21.53
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	8	21.52
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	8	21.52
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	8	21.52
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	5	21.51
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	5	21.51
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	5	21.51
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	2	21.51
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	2	21.51
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	2	21.51
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	2	21.51
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	2	21.51
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	2	21.51
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	9	21.49
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	9	21.49
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	9	21.49
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	6	21.48
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	5	21.47
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	5	21.47
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	5	21.47
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	8	21.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	8	21.47
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	8	21.47
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	6	21.44
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	6	21.44
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	6	21.44
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	1	21.42
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	1	21.42
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	1	21.42
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	1	21.42
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	1	21.42
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	1	21.42
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	6	21.4
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	6	21.4
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	6	21.4
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	1	21.39
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	1	21.39
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	1	21.39
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG21	10	21.37
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG22	10	21.37
(2,1045)	1:92:A:TRP:HE3	1:167:A:THR:HG23	10	21.37
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	7	21.37
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	7	21.37
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	7	21.37
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	8	21.37
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG21	7	21.35
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG22	7	21.35
(2,1091)	1:170:A:ALA:H	1:143:A:ILE:HG23	7	21.35
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	10	21.35
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	10	21.35
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	10	21.35
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	2	21.3
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	2	21.3
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	2	21.3
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	3	21.3
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	3	21.3
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	3	21.3
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	1	21.28
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	1	21.28
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	1	21.28
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	2	21.28
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	2	21.28
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	2	21.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	3	21.25
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	3	21.25
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	3	21.25
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	8	21.25
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	8	21.25
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	8	21.25
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	9	21.24
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	9	21.24
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	9	21.24
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	5	21.24
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	5	21.24
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	5	21.24
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	9	21.24
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	9	21.24
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	9	21.24
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	5	21.23
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	5	21.23
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	5	21.23
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	9	21.23
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	9	21.23
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	9	21.23
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	5	21.23
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	5	21.23
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	5	21.23
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	8	21.22
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	8	21.22
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	8	21.22
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	1	21.2
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	1	21.2
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	1	21.2
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	4	21.2
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	4	21.2
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	4	21.2
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	10	21.19
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	5	21.15
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	5	21.15
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	5	21.15
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	2	21.15
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	2	21.15
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	2	21.15
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	9	21.14
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	9	21.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	9	21.14
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	9	21.12
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	9	21.12
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	9	21.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB1	9	21.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB2	9	21.12
(2,883)	1:165:A:GLN:H	1:78:A:ALA:HB3	9	21.12
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	6	21.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	3	21.09
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	3	21.09
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	3	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	1	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	1	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	1	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	2	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	2	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	2	21.09
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	10	21.08
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	10	21.08
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	10	21.08
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	6	21.07
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	6	21.07
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	6	21.07
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	8	21.06
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	8	21.06
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	8	21.06
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	4	21.05
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	4	21.05
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	4	21.05
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	5	21.05
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	5	21.05
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	5	21.05
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	3	21.03
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	3	21.03
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	3	21.03
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	7	21.03
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	7	21.03
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	7	21.03
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	7	21.03
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	7	21.03
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	7	21.03
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	3	21.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	3	21.03
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	3	21.03
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	10	21.01
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	10	21.01
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	10	21.01
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	8	21.01
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	3	21.01
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	3	20.99
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	3	20.99
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	3	20.99
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	2	20.99
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	2	20.99
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	2	20.99
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	4	20.99
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	4	20.99
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	4	20.99
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	4	20.98
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	4	20.98
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	4	20.98
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG21	6	20.98
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG22	6	20.98
(2,1039)	1:104:A:TYR:H	1:167:A:THR:HG23	6	20.98
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	4	20.98
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	4	20.98
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	4	20.98
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	7	20.97
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	7	20.96
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	7	20.96
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	7	20.96
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	7	20.96
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	7	20.96
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	7	20.96
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	4	20.95
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	4	20.95
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	4	20.95
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	1	20.94
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	1	20.94
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	1	20.94
(2,61)	1:125:A:ALA:H	1:24:A:SER:H	10	20.93
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	4	20.93
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	3	20.92
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	3	20.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	3	20.92
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	7	20.91
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	7	20.91
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	7	20.91
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	6	20.9
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	6	20.9
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	6	20.9
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG21	10	20.86
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG22	10	20.86
(2,1041)	1:143:A:ILE:H	1:167:A:THR:HG23	10	20.86
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	10	20.85
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	10	20.85
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	10	20.85
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	4	20.8
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	4	20.8
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	4	20.8
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	7	20.79
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	7	20.79
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	7	20.79
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	6	20.78
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	6	20.78
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	6	20.78
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	8	20.78
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	8	20.78
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	8	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	3	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	3	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	3	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	9	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	9	20.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	9	20.78
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD11	7	20.76
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD12	7	20.76
(2,695)	1:89:A:ILE:H	1:53:A:ILE:HD13	7	20.76
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	4	20.74
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	4	20.74
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	4	20.74
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	3	20.71
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	3	20.71
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	3	20.71
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	3	20.69
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	3	20.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	3	20.69
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG21	10	20.67
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG22	10	20.67
(2,1094)	1:7:A:MET:H	1:53:A:ILE:HG23	10	20.67
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	3	20.66
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	3	20.66
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	3	20.66
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	7	20.65
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	8	20.61
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	8	20.61
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	8	20.61
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	8	20.61
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	8	20.61
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	8	20.61
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	5	20.61
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	5	20.61
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	5	20.61
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	8	20.61
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	8	20.61
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	8	20.61
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	4	20.6
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	4	20.6
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	4	20.6
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	7	20.6
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	7	20.6
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	7	20.6
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	4	20.57
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	4	20.57
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	4	20.57
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	6	20.54
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	6	20.54
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	6	20.54
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	3	20.54
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	4	20.54
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	6	20.54
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	6	20.54
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	6	20.54
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	8	20.53
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	8	20.53
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	8	20.53
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	7	20.53
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	7	20.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	7	20.53
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	6	20.53
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	6	20.53
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	3	20.48
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	3	20.48
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	3	20.48
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	4	20.43
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	4	20.43
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	8	20.42
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	8	20.42
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	10	20.41
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	10	20.41
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	10	20.41
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	4	20.41
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	4	20.41
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	4	20.41
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	7	20.37
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	7	20.37
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	7	20.37
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG21	6	20.36
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG22	6	20.36
(2,1049)	1:65:A:VAL:H	1:167:A:THR:HG23	6	20.36
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	7	20.36
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	7	20.36
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	2	20.35
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	2	20.35
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	2	20.35
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	4	20.33
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	4	20.33
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	4	20.33
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	1	20.32
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	1	20.31
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	1	20.31
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	1	20.31
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG21	10	20.27
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG22	10	20.27
(2,1075)	1:22:A:THR:H	1:167:A:THR:HG23	10	20.27
(1,24)	1:22:A:THR:H	1:167:A:THR:HG21	10	20.27
(1,24)	1:22:A:THR:H	1:167:A:THR:HG22	10	20.27
(1,24)	1:22:A:THR:H	1:167:A:THR:HG23	10	20.27
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	2	20.25
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	3	20.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	3	20.24
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	3	20.24
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	10	20.24
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	10	20.24
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	9	20.22
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	9	20.22
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	9	20.22
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	7	20.21
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	7	20.21
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	7	20.21
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	7	20.21
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	7	20.21
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	7	20.21
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	3	20.2
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	3	20.2
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	3	20.2
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	3	20.19
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	3	20.19
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	1	20.18
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	1	20.18
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	1	20.18
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	5	20.16
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	5	20.16
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	5	20.16
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	2	20.16
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	2	20.16
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	2	20.16
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	9	20.15
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	9	20.15
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	9	20.15
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	2	20.14
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	2	20.14
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	2	20.14
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	5	20.13
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	7	20.12
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	7	20.12
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	7	20.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	5	20.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	5	20.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	5	20.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	9	20.12
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	9	20.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	9	20.12
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	4	20.11
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	4	20.11
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	4	20.11
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	6	20.11
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	6	20.11
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	6	20.11
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	1	20.1
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	1	20.1
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	1	20.1
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	3	20.09
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	3	20.09
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	3	20.09
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	4	20.08
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	4	20.08
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	4	20.08
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	9	20.07
(2,2)	1:6:A:ILE:H	1:114:A:GLU:H	9	20.05
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	10	20.02
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	10	20.02
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	10	20.02
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	5	20.0
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	5	20.0
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	5	20.0
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	6	20.0
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	6	20.0
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	6	20.0
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	3	19.99
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	7	19.99
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	5	19.98
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	5	19.98
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	5	19.98
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	2	19.95
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	2	19.95
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	2	19.95
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD11	8	19.95
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD12	8	19.95
(2,547)	1:92:A:TRP:H	1:53:A:ILE:HD13	8	19.95
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	3	19.94
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	3	19.94
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	3	19.94
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	1	19.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	1	19.93
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	1	19.93
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	1	19.92
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	1	19.92
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	1	19.92
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	6	19.92
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	6	19.92
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	6	19.92
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	9	19.9
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	9	19.9
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	9	19.9
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	1	19.89
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	1	19.89
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	1	19.89
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	2	19.89
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	2	19.89
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	2	19.89
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	5	19.89
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	5	19.89
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	5	19.89
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	9	19.89
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	9	19.89
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	9	19.89
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	6	19.88
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	6	19.88
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	6	19.88
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	1	19.88
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	8	19.86
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	8	19.86
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	8	19.86
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	4	19.85
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	8	19.85
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	8	19.85
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	8	19.85
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	5	19.84
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	4	19.83
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	4	19.83
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	4	19.83
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	9	19.82
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	9	19.82
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	9	19.82
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	5	19.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	10	19.82
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	1	19.81
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	1	19.81
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	1	19.81
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	5	19.81
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	5	19.81
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	5	19.81
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	1	19.81
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	9	19.8
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	9	19.8
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	9	19.8
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	8	19.8
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	8	19.8
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	8	19.8
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	2	19.8
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	7	19.79
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	9	19.79
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	9	19.79
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	2	19.78
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	2	19.78
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	2	19.78
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	6	19.77
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	6	19.77
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	6	19.77
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	2	19.76
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	2	19.76
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	2	19.76
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD11	10	19.76
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD12	10	19.76
(2,803)	1:121:A:GLY:H	1:135:A:ILE:HD13	10	19.76
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	4	19.73
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	4	19.73
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	4	19.73
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	3	19.73
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	8	19.72
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	8	19.72
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	8	19.72
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	7	19.72
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	7	19.72
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	7	19.72
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	4	19.71
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	7	19.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	7	19.71
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	7	19.71
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	2	19.71
(1,25)	1:167:A:THR:H	1:22:A:THR:HG21	4	19.71
(1,25)	1:167:A:THR:H	1:22:A:THR:HG22	4	19.71
(1,25)	1:167:A:THR:H	1:22:A:THR:HG23	4	19.71
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	10	19.69
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	10	19.69
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	10	19.69
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	3	19.68
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	1	19.67
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	1	19.67
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	1	19.67
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	4	19.66
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	4	19.66
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	4	19.66
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB1	10	19.65
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB2	10	19.65
(2,858)	1:111:A:ALA:H	1:170:A:ALA:HB3	10	19.65
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	2	19.65
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	2	19.65
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	6	19.64
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	6	19.64
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	6	19.64
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	4	19.63
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	8	19.63
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	1	19.62
(2,213)	1:165:A:GLN:H	1:73:A:ASP:H	5	19.62
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	1	19.62
(2,174)	1:73:A:ASP:H	1:165:A:GLN:H	5	19.62
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	7	19.59
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG21	10	19.59
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG22	10	19.59
(2,1044)	1:92:A:TRP:HE1	1:167:A:THR:HG23	10	19.59
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	10	19.57
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	10	19.57
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	10	19.57
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	6	19.57
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	6	19.57
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	6	19.57
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	10	19.56
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	10	19.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	10	19.56
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	9	19.56
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	5	19.53
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	5	19.53
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	5	19.53
(2,155)	1:69:A:GLY:H	1:6:A:ILE:H	6	19.53
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG21	8	19.52
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG22	8	19.52
(2,1095)	1:53:A:ILE:H	1:6:A:ILE:HG23	8	19.52
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG21	10	19.52
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG22	10	19.52
(2,1031)	1:144:A:ASP:H	1:167:A:THR:HG23	10	19.52
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	2	19.52
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	2	19.52
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	2	19.52
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	6	19.51
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	6	19.51
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	6	19.51
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	7	19.51
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	7	19.51
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	7	19.51
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	6	19.5
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	3	19.5
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	3	19.5
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	3	19.5
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	8	19.5
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	8	19.5
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	8	19.5
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	9	19.49
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	3	19.49
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	3	19.49
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	3	19.49
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	1	19.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	4	19.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	4	19.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	4	19.48
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	2	19.47
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	7	19.47
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	7	19.47
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	7	19.47
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	1	19.46
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	1	19.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	1	19.46
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	9	19.46
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	9	19.46
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	9	19.46
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	10	19.43
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	7	19.43
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	7	19.43
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	7	19.43
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	5	19.42
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	2	19.41
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	2	19.41
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	2	19.41
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	3	19.4
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	3	19.4
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	3	19.4
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD11	9	19.4
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD12	9	19.4
(2,670)	1:165:A:GLN:H	1:128:A:ILE:HD13	9	19.4
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG21	5	19.39
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG22	5	19.39
(2,1062)	1:21:A:ALA:H	1:173:A:THR:HG23	5	19.39
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	7	19.39
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	7	19.39
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	7	19.39
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	9	19.38
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	4	19.38
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	4	19.38
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	4	19.38
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	9	19.36
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	4	19.34
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	4	19.34
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	4	19.34
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	4	19.34
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	1	19.33
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	2	19.33
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	6	19.33
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	6	19.33
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	6	19.33
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	5	19.32
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	7	19.32
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	7	19.32
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	7	19.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	3	19.31
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	3	19.31
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	3	19.31
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	1	19.3
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	3	19.3
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	3	19.3
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	3	19.3
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	6	19.29
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	5	19.28
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	8	19.27
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	2	19.24
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	1	19.24
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	5	19.23
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	10	19.23
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	10	19.23
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	10	19.23
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	2	19.22
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	2	19.22
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	2	19.22
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	7	19.21
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	5	19.2
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	5	19.2
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	5	19.2
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	5	19.19
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	5	19.19
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	5	19.19
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	8	19.19
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	8	19.19
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	8	19.19
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	9	19.17
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	10	19.17
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	10	19.17
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	10	19.17
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	8	19.17
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	3	19.16
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	6	19.14
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	8	19.14
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	8	19.14
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	8	19.14
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	1	19.14
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	1	19.14
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	1	19.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	8	19.11
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	2	19.1
(5,6)	1:116:A:ARG:H	1:38:A:SER:O	10	19.08
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	10	19.08
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	1	19.07
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	6	19.07
(2,366)	1:126:A:VAL:H	1:7:A:MET:H	6	19.05
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	6	19.04
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	6	19.04
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	6	19.04
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	1	19.0
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	1	19.0
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	1	19.0
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	2	18.96
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	8	18.94
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	8	18.94
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	8	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	6	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	6	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	6	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	8	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	8	18.94
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	8	18.94
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	5	18.94
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	5	18.94
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	5	18.94
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	9	18.93
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	8	18.93
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	8	18.93
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	8	18.93
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	10	18.92
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	6	18.92
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	6	18.92
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	6	18.92
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG21	9	18.88
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG22	9	18.88
(2,1134)	1:129:A:SER:H	1:143:A:ILE:HG23	9	18.88
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	2	18.87
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	2	18.87
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	2	18.87
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	10	18.86
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	9	18.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	9	18.86
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	9	18.86
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	1	18.86
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	1	18.86
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	1	18.86
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	7	18.85
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	2	18.85
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	2	18.85
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	2	18.85
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	4	18.85
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	4	18.85
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	4	18.85
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	9	18.84
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	8	18.84
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	8	18.84
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	8	18.84
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	10	18.84
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	10	18.84
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	10	18.84
(5,4)	1:118:A:TYR:H	1:36:A:SER:O	8	18.81
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	8	18.81
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	2	18.81
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	2	18.81
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	2	18.81
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	6	18.8
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	7	18.77
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	7	18.77
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	7	18.77
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	3	18.76
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	6	18.76
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	6	18.76
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	6	18.76
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	5	18.75
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	6	18.75
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	6	18.75
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	6	18.75
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	9	18.75
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	9	18.75
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	9	18.75
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	3	18.74
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	3	18.74
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	3	18.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD11	10	18.74
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD12	10	18.74
(2,802)	1:121:A:GLY:H	1:6:A:ILE:HD13	10	18.74
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	6	18.73
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	6	18.73
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	6	18.73
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	9	18.72
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	9	18.72
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	9	18.72
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB1	10	18.69
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB2	10	18.69
(2,861)	1:54:A:LEU:H	1:106:A:ALA:HB3	10	18.69
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	6	18.68
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	6	18.68
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	6	18.68
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	4	18.67
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	10	18.67
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	10	18.67
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	10	18.67
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD11	1	18.66
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD12	1	18.66
(2,602)	1:46:A:GLU:H	1:135:A:ILE:HD13	1	18.66
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	6	18.65
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	6	18.65
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	6	18.65
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	8	18.64
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	8	18.64
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	8	18.64
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	2	18.64
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	2	18.64
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	2	18.64
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG21	5	18.63
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG22	5	18.63
(2,1088)	1:170:A:ALA:H	1:6:A:ILE:HG23	5	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	4	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	4	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	4	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	8	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	8	18.63
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	8	18.63
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	5	18.63
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	5	18.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	5	18.63
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	10	18.62
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	10	18.62
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	10	18.62
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	10	18.62
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	10	18.62
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	10	18.62
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	8	18.61
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	8	18.61
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	8	18.61
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	2	18.6
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	2	18.6
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	2	18.6
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	9	18.6
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	9	18.6
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	9	18.6
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	5	18.59
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	1	18.59
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	1	18.59
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	1	18.59
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	6	18.58
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	6	18.58
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	6	18.58
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	6	18.58
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	8	18.58
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	8	18.58
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	8	18.58
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG21	10	18.57
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG22	10	18.57
(2,1115)	1:54:A:LEU:H	1:6:A:ILE:HG23	10	18.57
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	1	18.56
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	4	18.56
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	1	18.56
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	1	18.56
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	1	18.56
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD11	8	18.56
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD12	8	18.56
(2,588)	1:125:A:ALA:H	1:18:A:ILE:HD13	8	18.56
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	7	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	6	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	6	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	6	18.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	10	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	10	18.54
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	10	18.54
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	5	18.54
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	5	18.54
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	5	18.54
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	2	18.54
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	2	18.54
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	2	18.54
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	9	18.52
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	9	18.52
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	9	18.52
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	9	18.52
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	9	18.52
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	9	18.52
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	5	18.51
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	5	18.51
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	5	18.51
(5,12)	1:38:A:SER:H	1:116:A:ARG:O	2	18.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	6	18.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	6	18.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	6	18.5
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	5	18.5
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	5	18.5
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	5	18.5
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	3	18.49
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	3	18.49
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	3	18.49
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	1	18.49
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	1	18.49
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	1	18.49
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	1	18.49
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	1	18.49
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	1	18.49
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	8	18.48
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	8	18.48
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	8	18.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	10	18.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	10	18.48
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	10	18.48
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	2	18.47
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	2	18.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	2	18.47
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	2	18.47
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	2	18.47
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	2	18.47
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	10	18.46
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	7	18.46
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	9	18.46
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	9	18.46
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	9	18.46
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	3	18.45
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	9	18.44
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	9	18.44
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	9	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	1	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	1	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	1	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	9	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	9	18.44
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	9	18.44
(5,10)	1:36:A:SER:H	1:118:A:TYR:O	8	18.41
(5,2)	1:120:A:ASP:H	1:34:A:ASP:O	3	18.41
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	4	18.41
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	4	18.41
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	4	18.41
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD11	7	18.38
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD12	7	18.38
(2,787)	1:9:A:GLN:H	1:18:A:ILE:HD13	7	18.38
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	5	18.36
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	5	18.36
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	5	18.36
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	8	18.35
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	8	18.35
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	8	18.35
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	7	18.34
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	7	18.34
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	7	18.34
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	4	18.34
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	4	18.34
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	4	18.34
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	4	18.34
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	4	18.34
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	4	18.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	7	18.32
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	7	18.32
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	7	18.32
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	7	18.32
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	7	18.32
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	7	18.32
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	4	18.3
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	4	18.29
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	10	18.29
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	10	18.29
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	10	18.29
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	4	18.27
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	4	18.27
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	4	18.27
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	7	18.27
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	7	18.27
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	7	18.27
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	7	18.26
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	9	18.24
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	9	18.24
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	9	18.24
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	6	18.24
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	6	18.24
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	6	18.24
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	4	18.23
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	3	18.21
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	9	18.2
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	9	18.2
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	9	18.2
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	10	18.19
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	5	18.19
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	5	18.19
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	5	18.19
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	5	18.19
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	5	18.19
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	5	18.19
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	3	18.18
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	1	18.16
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	1	18.16
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	1	18.16
(5,8)	1:34:A:ASP:H	1:120:A:ASP:O	8	18.15
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	4	18.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	4	18.15
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	4	18.15
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	10	18.15
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	10	18.15
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	10	18.15
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	8	18.15
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	8	18.15
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	8	18.15
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	6	18.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	6	18.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	6	18.14
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	2	18.13
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	2	18.13
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	2	18.13
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	2	18.13
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	2	18.13
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	2	18.13
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	2	18.13
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	2	18.13
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	2	18.13
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	3	18.13
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	3	18.13
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	3	18.13
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	3	18.13
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	3	18.13
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	3	18.13
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD11	3	18.12
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD12	3	18.12
(2,639)	1:72:A:GLY:H	1:6:A:ILE:HD13	3	18.12
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	1	18.11
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	1	18.11
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	1	18.11
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	7	18.11
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	7	18.11
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	7	18.11
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	7	18.1
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	5	18.1
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	5	18.1
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	5	18.1
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	7	18.09
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	7	18.09
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	7	18.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD11	9	18.08
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD12	9	18.08
(2,678)	1:165:A:GLN:H	1:150:A:ILE:HD13	9	18.08
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	5	18.06
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	5	18.06
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	5	18.06
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	3	18.06
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	3	18.06
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	3	18.06
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	1	18.06
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	1	18.06
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	1	18.06
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	10	18.06
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	10	18.06
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	10	18.06
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	3	18.02
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	3	18.02
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	3	18.02
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	9	18.02
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	9	18.02
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	9	18.02
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	2	18.02
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	2	18.02
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	2	18.02
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	9	18.0
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	6	17.99
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	3	17.99
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	3	17.99
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	3	17.99
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	1	17.99
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	1	17.99
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	1	17.99
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	5	17.96
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	5	17.96
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	5	17.96
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	2	17.94
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	2	17.94
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	9	17.94
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	7	17.94
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	7	17.94
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	7	17.94
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	1	17.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	1	17.92
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	3	17.92
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	3	17.92
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	3	17.92
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	8	17.91
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	8	17.91
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	8	17.91
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	8	17.91
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	8	17.91
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	8	17.91
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	10	17.88
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	5	17.88
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	5	17.87
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	6	17.86
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	2	17.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	2	17.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	2	17.83
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	4	17.83
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	4	17.83
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	4	17.83
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	6	17.83
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	6	17.83
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	6	17.83
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	4	17.83
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	4	17.83
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	4	17.83
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	6	17.83
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	6	17.83
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	6	17.83
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	9	17.82
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	4	17.82
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	4	17.82
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	4	17.82
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	4	17.8
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	4	17.8
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	4	17.8
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	1	17.8
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	1	17.8
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	1	17.8
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	4	17.79
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	3	17.79
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	3	17.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	3	17.79
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	6	17.79
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	6	17.79
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	6	17.79
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	3	17.78
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	3	17.78
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	3	17.78
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	5	17.77
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	6	17.77
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	7	17.77
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	7	17.77
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	7	17.77
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	1	17.76
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	4	17.76
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	4	17.76
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	4	17.76
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	8	17.75
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	4	17.75
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	4	17.75
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	4	17.75
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	7	17.75
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	7	17.75
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	7	17.75
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD11	10	17.75
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD12	10	17.75
(2,638)	1:71:A:ARG:H	1:6:A:ILE:HD13	10	17.75
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD11	10	17.75
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD12	10	17.75
(1,12)	1:71:A:ARG:H	1:6:A:ILE:HD13	10	17.75
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	1	17.74
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	4	17.74
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	4	17.74
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	4	17.74
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	10	17.74
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	10	17.74
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	10	17.74
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	10	17.74
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	10	17.74
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	10	17.74
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	8	17.72
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	8	17.72
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	8	17.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	8	17.72
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	8	17.72
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	8	17.72
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	9	17.71
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	9	17.71
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	9	17.71
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	9	17.7
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	9	17.7
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	9	17.7
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	2	17.69
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	5	17.69
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	5	17.69
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	5	17.69
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	8	17.68
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	3	17.68
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	3	17.68
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	3	17.68
(5,5)	1:116:A:ARG:N	1:38:A:SER:O	10	17.67
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	6	17.66
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	6	17.66
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	6	17.66
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	6	17.66
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	6	17.66
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	6	17.66
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	5	17.65
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	5	17.65
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	5	17.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	5	17.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	5	17.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	5	17.65
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	8	17.65
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	8	17.65
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	8	17.65
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	3	17.64
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	5	17.64
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	2	17.64
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	7	17.64
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	7	17.64
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	7	17.64
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	7	17.63
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	9	17.62
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	3	17.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	3	17.6
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	3	17.6
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	7	17.58
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	7	17.58
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	7	17.58
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	2	17.57
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	2	17.57
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	2	17.57
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	4	17.57
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	4	17.57
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	4	17.57
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	1	17.55
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	1	17.55
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	1	17.55
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	1	17.54
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	7	17.54
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	7	17.54
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	7	17.54
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	7	17.54
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	7	17.54
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	7	17.54
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	2	17.52
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	2	17.52
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	2	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	1	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	1	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	1	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	6	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	6	17.52
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	6	17.52
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	10	17.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	3	17.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	3	17.5
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	3	17.5
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	3	17.5
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	3	17.5
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	3	17.5
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	4	17.48
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	4	17.48
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	4	17.48
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	2	17.47
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	10	17.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	10	17.47
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	10	17.47
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	6	17.45
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	2	17.44
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	2	17.44
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	2	17.44
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	3	17.43
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	3	17.43
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	3	17.43
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	3	17.43
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	3	17.43
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	3	17.43
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	9	17.41
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	3	17.41
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	3	17.41
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	3	17.41
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	9	17.4
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	8	17.4
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	8	17.39
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	8	17.39
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	8	17.39
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	7	17.38
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	7	17.38
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	7	17.38
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	7	17.36
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	4	17.36
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	4	17.36
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	4	17.36
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	1	17.35
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	1	17.35
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	1	17.35
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG21	4	17.33
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG22	4	17.33
(2,1065)	1:125:A:ALA:H	1:22:A:THR:HG23	4	17.33
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	6	17.33
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	6	17.33
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	6	17.33
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	6	17.32
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	6	17.32
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	6	17.32
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	4	17.29
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	3	17.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	3	17.29
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	3	17.29
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	8	17.29
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	8	17.29
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	8	17.29
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	7	17.27
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	3	17.26
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	7	17.24
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	7	17.24
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	7	17.24
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	5	17.23
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	8	17.23
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	8	17.23
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	8	17.23
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	1	17.23
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	1	17.23
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	1	17.23
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	1	17.23
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	1	17.23
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	1	17.23
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	10	17.22
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	9	17.22
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	9	17.22
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	9	17.22
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	5	17.2
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	5	17.2
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	5	17.2
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	5	17.2
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	5	17.2
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	5	17.2
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	9	17.2
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	5	17.2
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	5	17.2
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	5	17.2
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	6	17.18
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	7	17.18
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	7	17.18
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	7	17.18
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	9	17.18
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	9	17.18
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	9	17.18
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	9	17.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	9	17.18
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	9	17.18
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	4	17.17
(5,1)	1:120:A:ASP:N	1:34:A:ASP:O	3	17.17
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	2	17.17
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	2	17.17
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	2	17.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	2	17.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	2	17.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	2	17.17
(5,3)	1:118:A:TYR:N	1:36:A:SER:O	8	17.16
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	6	17.16
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	6	17.16
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	6	17.16
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	4	17.15
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	4	17.15
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	4	17.15
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	8	17.15
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	8	17.15
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	8	17.15
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	10	17.14
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	10	17.14
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	10	17.14
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB1	10	17.14
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB2	10	17.14
(2,828)	1:125:A:ALA:H	1:106:A:ALA:HB3	10	17.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD11	7	17.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD12	7	17.14
(2,727)	1:112:A:TYR:H	1:53:A:ILE:HD13	7	17.14
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	1	17.14
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	1	17.14
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	1	17.14
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD11	10	17.14
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD12	10	17.14
(2,582)	1:19:A:ASP:H	1:6:A:ILE:HD13	10	17.14
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	1	17.14
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	1	17.14
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	1	17.14
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	5	17.13
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	8	17.12
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	8	17.12
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	8	17.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	9	17.12
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	9	17.12
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	9	17.12
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	2	17.12
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	9	17.12
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	9	17.12
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	9	17.12
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	6	17.11
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	6	17.11
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	6	17.11
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	1	17.09
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	6	17.09
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	6	17.09
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	6	17.09
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	6	17.09
(5,11)	1:38:A:SER:N	1:116:A:ARG:O	2	17.06
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	5	17.05
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	5	17.05
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	5	17.05
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	10	17.05
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	10	17.05
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	10	17.05
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	8	17.05
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	8	17.05
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	8	17.05
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	6	17.03
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	6	17.03
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	6	17.03
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	2	17.03
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	2	17.03
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	2	17.03
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	9	17.03
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	9	17.03
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	9	17.03
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	2	17.03
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	2	17.03
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	2	17.03
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	1	17.02
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	5	17.0
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	10	16.98
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	10	16.98
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	10	16.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD11	10	16.98
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD12	10	16.98
(2,545)	1:6:A:ILE:H	1:53:A:ILE:HD13	10	16.98
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	3	16.96
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	3	16.96
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	3	16.96
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD11	5	16.96
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD12	5	16.96
(2,644)	1:73:A:ASP:H	1:6:A:ILE:HD13	5	16.96
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD11	5	16.96
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD12	5	16.96
(1,15)	1:73:A:ASP:H	1:6:A:ILE:HD13	5	16.96
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	5	16.95
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	5	16.95
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	5	16.95
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	6	16.94
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD11	8	16.92
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD12	8	16.92
(2,609)	1:52:A:ARG:H	1:135:A:ILE:HD13	8	16.92
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	10	16.91
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	10	16.91
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	10	16.91
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	7	16.89
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	7	16.89
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	7	16.89
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	1	16.89
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	1	16.89
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	1	16.89
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD11	10	16.89
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD12	10	16.89
(2,739)	1:126:A:VAL:H	1:6:A:ILE:HD13	10	16.89
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	10	16.87
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	4	16.87
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	9	16.87
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	9	16.87
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	9	16.87
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	8	16.87
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	10	16.87
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	10	16.85
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	10	16.85
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	10	16.85
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	10	16.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	10	16.85
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	10	16.85
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG21	4	16.84
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG22	4	16.84
(2,1059)	1:169:A:GLU:H	1:22:A:THR:HG23	4	16.84
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	1	16.84
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	1	16.84
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	1	16.84
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	3	16.84
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	8	16.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	8	16.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	8	16.83
(5,9)	1:36:A:SER:N	1:118:A:TYR:O	8	16.82
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	5	16.82
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	5	16.82
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	5	16.82
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	5	16.82
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	5	16.82
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	5	16.82
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	4	16.82
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	4	16.82
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	4	16.82
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	7	16.82
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	7	16.82
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	7	16.82
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	7	16.82
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	7	16.82
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	7	16.82
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	4	16.82
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	4	16.82
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	4	16.82
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	2	16.81
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	2	16.81
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	2	16.81
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	7	16.8
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	8	16.8
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	8	16.8
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	8	16.8
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	6	16.79
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	6	16.79
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	6	16.79
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	2	16.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	2	16.79
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	2	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	3	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	4	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	4	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	4	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	4	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	4	16.79
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	4	16.79
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	7	16.78
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	7	16.78
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	7	16.78
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	4	16.78
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	4	16.78
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	4	16.78
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	3	16.76
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	4	16.76
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	4	16.76
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	4	16.76
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	1	16.76
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	1	16.76
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	1	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	1	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	1	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	1	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	2	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	2	16.76
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	2	16.76
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	9	16.76
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	9	16.75
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	9	16.75
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	9	16.75
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	10	16.74
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	10	16.74
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	10	16.74
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	6	16.74
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	6	16.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	6	16.74
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	8	16.73
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	8	16.73
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	8	16.73
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	8	16.73
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	8	16.73
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	8	16.73
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	9	16.73
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	9	16.73
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	9	16.73
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	4	16.73
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	10	16.72
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	3	16.72
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	3	16.72
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	3	16.72
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	6	16.71
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	6	16.71
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	6	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	3	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	3	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	3	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	7	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	7	16.71
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	7	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	8	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	8	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	8	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	8	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	8	16.71
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	8	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	3	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	3	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	3	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	7	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	7	16.71
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	7	16.71
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	7	16.7
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	7	16.7
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	7	16.7
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	6	16.7
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	6	16.7
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	6	16.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(5,7)	1:34:A:ASP:N	1:120:A:ASP:O	8	16.69
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	2	16.69
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	2	16.69
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	2	16.69
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	2	16.69
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	2	16.69
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	2	16.69
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	5	16.69
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	5	16.69
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	5	16.69
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	10	16.68
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	10	16.68
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	10	16.68
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	7	16.68
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	7	16.68
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	7	16.68
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	3	16.67
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	3	16.67
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	3	16.67
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	1	16.66
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	1	16.66
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	1	16.66
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	2	16.66
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	2	16.66
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	2	16.66
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	7	16.66
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	8	16.65
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	8	16.65
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	8	16.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	6	16.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	6	16.65
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	6	16.65
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	5	16.65
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	5	16.65
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	5	16.65
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	1	16.64
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	1	16.64
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	1	16.64
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	3	16.63
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	3	16.63
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	3	16.63
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	4	16.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	4	16.61
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	4	16.61
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	6	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	7	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	7	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	7	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	7	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	7	16.6
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	7	16.6
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB1	9	16.59
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB2	9	16.59
(2,928)	1:160:A:PHE:H	1:74:A:ALA:HB3	9	16.59
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	9	16.59
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	9	16.59
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	9	16.59
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	9	16.59
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	9	16.59
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	9	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	10	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	10	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	10	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	10	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	10	16.59
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	10	16.59
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	2	16.57
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	2	16.57
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	2	16.57
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	9	16.57
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	1	16.56
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	1	16.56
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	1	16.56
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	5	16.56
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	5	16.56
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	5	16.56
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	4	16.56
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	4	16.56
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	4	16.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	1	16.56
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	4	16.56
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	4	16.56
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	4	16.56
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	1	16.55
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	1	16.55
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	1	16.55
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	2	16.55
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	2	16.55
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	2	16.55
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	5	16.53
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	5	16.53
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	5	16.53
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	4	16.53
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	4	16.53
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	4	16.53
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	1	16.53
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	1	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	1	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	1	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	7	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	7	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	7	16.52
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	1	16.52
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	1	16.52
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	1	16.52
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	1	16.52
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	1	16.52
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	1	16.52
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	8	16.51
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	8	16.51
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	8	16.51
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	7	16.51
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	2	16.5
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	1	16.49
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	1	16.49
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	1	16.49
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB1	2	16.49
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB2	2	16.49
(2,889)	1:165:A:GLN:H	1:74:A:ALA:HB3	2	16.49
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	5	16.49
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	3	16.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	3	16.48
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	3	16.48
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG21	5	16.48
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG22	5	16.48
(2,1034)	1:174:A:VAL:H	1:145:A:THR:HG23	5	16.48
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	5	16.47
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	5	16.47
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	5	16.47
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	3	16.47
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	3	16.47
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	3	16.47
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	5	16.47
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	3	16.47
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	3	16.47
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	3	16.47
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	9	16.46
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	9	16.46
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	9	16.46
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	9	16.46
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	9	16.46
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	9	16.46
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	8	16.46
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	8	16.46
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	8	16.46
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	3	16.46
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	8	16.46
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	8	16.46
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	8	16.46
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	2	16.45
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	2	16.45
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	2	16.45
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	9	16.45
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	9	16.45
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	9	16.45
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	2	16.45
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	2	16.45
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	2	16.45
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	2	16.45
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	2	16.45
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	2	16.45
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	4	16.45
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	4	16.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	4	16.45
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	2	16.45
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	5	16.44
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	5	16.44
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	5	16.44
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	4	16.44
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	4	16.43
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	4	16.43
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	4	16.43
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	1	16.42
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	1	16.42
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	1	16.42
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	9	16.41
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	9	16.41
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	9	16.41
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	10	16.4
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	5	16.39
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	5	16.39
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	5	16.39
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	7	16.39
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	2	16.38
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	2	16.38
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	2	16.38
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	7	16.38
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	7	16.38
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	7	16.38
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	5	16.37
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	5	16.37
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	5	16.37
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	6	16.37
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	6	16.37
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	6	16.37
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	3	16.37
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	3	16.37
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	3	16.37
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	1	16.36
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	1	16.36
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	1	16.36
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	4	16.34
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	4	16.34
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	4	16.34
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	7	16.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	7	16.34
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	7	16.34
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	5	16.33
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	5	16.33
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	5	16.33
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	9	16.33
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	9	16.33
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	9	16.33
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	4	16.33
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	4	16.33
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	4	16.33
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	1	16.33
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	1	16.33
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	1	16.33
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	1	16.32
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	1	16.32
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	1	16.32
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	2	16.32
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	2	16.32
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	2	16.32
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	4	16.32
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	9	16.31
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	9	16.31
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	9	16.31
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	6	16.31
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	6	16.31
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	6	16.31
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	3	16.3
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	3	16.3
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	3	16.3
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	2	16.3
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	2	16.3
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	2	16.3
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	3	16.29
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	3	16.29
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	3	16.29
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	2	16.28
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	2	16.28
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	2	16.28
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	8	16.27
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	9	16.26
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	9	16.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	9	16.26
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	4	16.26
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	4	16.26
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	4	16.26
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	9	16.26
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	9	16.26
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	9	16.26
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	1	16.25
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	1	16.25
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	1	16.25
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG21	9	16.25
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG22	9	16.25
(2,1109)	1:81:A:ASP:H	1:6:A:ILE:HG23	9	16.25
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	6	16.25
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	2	16.24
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	2	16.24
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	2	16.24
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	5	16.24
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	5	16.24
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	5	16.24
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	8	16.24
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	8	16.24
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	8	16.24
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	10	16.22
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	10	16.22
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	10	16.22
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG21	2	16.21
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG22	2	16.21
(2,1112)	1:88:A:GLN:H	1:6:A:ILE:HG23	2	16.21
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	6	16.21
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	10	16.21
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	8	16.21
(2,91)	1:40:A:GLU:H	1:116:A:ARG:H	10	16.21
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG21	9	16.2
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG22	9	16.2
(2,1136)	1:68:A:TYR:H	1:143:A:ILE:HG23	9	16.2
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	10	16.2
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	10	16.2
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	10	16.2
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	7	16.19
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	7	16.19
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	7	16.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	3	16.19
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	9	16.19
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	7	16.18
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	7	16.18
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	7	16.18
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	10	16.18
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	10	16.18
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	10	16.18
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	7	16.18
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	10	16.18
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	10	16.18
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	10	16.18
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	6	16.17
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	6	16.17
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	6	16.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	6	16.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	6	16.17
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	6	16.17
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	9	16.14
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	9	16.14
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	9	16.14
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	5	16.13
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	5	16.13
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	5	16.13
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	7	16.13
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	7	16.13
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	7	16.13
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	8	16.13
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	8	16.13
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	8	16.13
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	5	16.13
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	1	16.12
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	3	16.1
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	3	16.1
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	3	16.1
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	10	16.1
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	10	16.1
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	10	16.1
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	8	16.1
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	6	16.1
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	6	16.09
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	6	16.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	6	16.09
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	5	16.09
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	5	16.09
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	5	16.09
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	4	16.08
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	4	16.08
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	4	16.08
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	4	16.06
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	5	16.05
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	5	16.05
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	5	16.05
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	8	16.05
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	8	16.05
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	8	16.05
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	6	16.05
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	6	16.05
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	6	16.05
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	8	16.05
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	8	16.05
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	8	16.05
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	1	16.04
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	1	16.04
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	1	16.04
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	2	16.04
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	2	16.04
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	2	16.04
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	2	16.04
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	2	16.04
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	2	16.04
(2,365)	1:126:A:VAL:H	1:8:A:GLY:H	6	16.02
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	10	16.01
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	10	16.01
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	10	16.01
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	6	16.0
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	6	16.0
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	6	16.0
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD11	10	16.0
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD12	10	16.0
(2,737)	1:119:A:SER:H	1:6:A:ILE:HD13	10	16.0
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD11	8	16.0
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD12	8	16.0
(2,596)	1:45:A:ASP:H	1:135:A:ILE:HD13	8	16.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	2	16.0
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD11	10	16.0
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD12	10	16.0
(1,9)	1:119:A:SER:H	1:6:A:ILE:HD13	10	16.0
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD11	10	15.98
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD12	10	15.98
(2,546)	1:6:A:ILE:H	1:135:A:ILE:HD13	10	15.98
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	5	15.98
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	5	15.98
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	5	15.98
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	3	15.98
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	5	15.98
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	5	15.98
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	5	15.98
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	8	15.96
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	8	15.96
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	8	15.96
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	3	15.96
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	3	15.96
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	3	15.96
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	8	15.94
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	8	15.94
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	8	15.94
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	6	15.94
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	6	15.94
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	6	15.94
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	6	15.94
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	6	15.94
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	6	15.94
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD11	10	15.92
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD12	10	15.92
(2,740)	1:127:A:GLU:H	1:6:A:ILE:HD13	10	15.92
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	9	15.91
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	9	15.91
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	9	15.91
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	9	15.91
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	9	15.91
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	9	15.91
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD11	1	15.89
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD12	1	15.89
(2,543)	1:6:A:ILE:H	1:128:A:ILE:HD13	1	15.89
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD11	1	15.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD12	1	15.89
(1,16)	1:6:A:ILE:H	1:128:A:ILE:HD13	1	15.89
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	6	15.88
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	6	15.88
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	6	15.88
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	3	15.87
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	3	15.87
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	3	15.87
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	10	15.84
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	4	15.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	4	15.83
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	4	15.83
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD11	10	15.83
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD12	10	15.83
(2,673)	1:80:A:GLU:H	1:6:A:ILE:HD13	10	15.83
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	1	15.82
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	1	15.82
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	1	15.82
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	2	15.81
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	2	15.81
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	2	15.81
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	4	15.81
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	4	15.81
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	4	15.81
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	7	15.8
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	7	15.8
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	7	15.8
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	9	15.79
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	9	15.79
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	9	15.79
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	9	15.78
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	9	15.78
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	9	15.78
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	8	15.77
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	8	15.77
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	8	15.77
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	3	15.76
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	3	15.76
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	3	15.76
(2,86)	1:38:A:SER:H	1:118:A:TYR:H	8	15.76
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	4	15.74
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	4	15.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	4	15.74
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	8	15.73
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	8	15.73
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	8	15.73
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	6	15.7
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	6	15.7
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	6	15.7
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	5	15.69
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	5	15.69
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	5	15.69
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	10	15.69
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	10	15.69
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	10	15.69
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	10	15.68
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	10	15.68
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	10	15.68
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG21	6	15.68
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG22	6	15.68
(2,1055)	1:67:A:TYR:H	1:167:A:THR:HG23	6	15.68
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	7	15.68
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	7	15.68
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	7	15.68
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	8	15.67
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	8	15.67
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	8	15.67
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	10	15.66
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	10	15.66
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	10	15.66
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	6	15.65
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	6	15.65
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	6	15.65
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	8	15.62
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	8	15.62
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	8	15.62
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	6	15.62
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	6	15.62
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	6	15.62
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	7	15.61
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	7	15.61
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	7	15.61
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	7	15.59
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	7	15.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	7	15.59
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	8	15.59
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	8	15.59
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	8	15.59
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD11	8	15.58
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD12	8	15.58
(2,613)	1:53:A:ILE:H	1:135:A:ILE:HD13	8	15.58
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	4	15.57
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	4	15.57
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	4	15.57
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	7	15.57
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	7	15.57
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	7	15.57
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	10	15.57
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	10	15.57
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	10	15.57
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	4	15.57
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	4	15.57
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	4	15.57
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG21	6	15.56
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG22	6	15.56
(2,1097)	1:71:A:ARG:H	1:6:A:ILE:HG23	6	15.56
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	6	15.56
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	6	15.56
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	6	15.56
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	7	15.54
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	7	15.54
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	7	15.54
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	1	15.53
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	1	15.53
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	1	15.53
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	7	15.53
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	7	15.53
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	7	15.53
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	7	15.53
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	7	15.53
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	7	15.53
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	10	15.52
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	10	15.52
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	10	15.52
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	7	15.52
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	1	15.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	4	15.51
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	4	15.51
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	4	15.51
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	4	15.51
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	4	15.51
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	4	15.51
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	2	15.5
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	10	15.49
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	10	15.49
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	10	15.49
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	4	15.48
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	4	15.48
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	4	15.48
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	7	15.48
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	7	15.48
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	7	15.48
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	8	15.48
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	8	15.48
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	8	15.48
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	2	15.48
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD11	3	15.47
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD12	3	15.47
(2,585)	1:101:A:ASN:H	1:89:A:ILE:HD13	3	15.47
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD11	3	15.47
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD12	3	15.47
(2,559)	1:77:A:LYS:H	1:6:A:ILE:HD13	3	15.47
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	3	15.46
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	3	15.46
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	3	15.46
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	2	15.45
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	2	15.45
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	2	15.45
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	1	15.42
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	1	15.42
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	1	15.42
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD11	6	15.42
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD12	6	15.42
(2,807)	1:121:A:GLY:H	1:150:A:ILE:HD13	6	15.42
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	3	15.42
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	3	15.42
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	3	15.42
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	3	15.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	3	15.42
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	3	15.42
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	4	15.41
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	4	15.41
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	4	15.41
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	3	15.41
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	4	15.41
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	5	15.41
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	3	15.4
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	3	15.4
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	3	15.4
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE1	3	15.39
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE2	3	15.39
(2,1020)	1:72:A:GLY:H	1:7:A:MET:HE3	3	15.39
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	1	15.39
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	4	15.38
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	5	15.37
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	9	15.36
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	9	15.36
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	9	15.36
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	3	15.36
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	2	15.34
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	2	15.34
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	2	15.34
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	4	15.33
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	4	15.33
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	4	15.33
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	8	15.31
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	8	15.31
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	8	15.31
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	7	15.29
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	7	15.29
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	7	15.29
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	1	15.29
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	1	15.29
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	1	15.29
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	1	15.29
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	1	15.29
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	1	15.29
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	9	15.28
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	7	15.27
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	7	15.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	7	15.27
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	6	15.27
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	6	15.27
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	6	15.27
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	5	15.26
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	5	15.26
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	5	15.26
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	2	15.25
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	2	15.25
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	2	15.25
(2,381)	1:134:A:VAL:H	1:8:A:GLY:H	7	15.25
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	2	15.25
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	2	15.25
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	2	15.25
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE1	3	15.23
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE2	3	15.23
(2,1023)	1:71:A:ARG:H	1:7:A:MET:HE3	3	15.23
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	7	15.23
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	7	15.23
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	7	15.23
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	9	15.21
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	9	15.21
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	9	15.21
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	9	15.21
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	9	15.21
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	9	15.21
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	5	15.18
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	5	15.18
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	5	15.18
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	6	15.18
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	6	15.18
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	6	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	5	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	5	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	5	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	6	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	6	15.18
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	6	15.18
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG21	4	15.17
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG22	4	15.17
(2,1061)	1:170:A:ALA:H	1:22:A:THR:HG23	4	15.17
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG21	10	15.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG22	10	15.11
(2,1033)	1:146:A:LEU:H	1:167:A:THR:HG23	10	15.11
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD11	3	15.09
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD12	3	15.09
(2,663)	1:78:A:ALA:H	1:6:A:ILE:HD13	3	15.09
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	8	15.09
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	8	15.09
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	8	15.09
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	8	15.09
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	8	15.09
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	8	15.09
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	10	15.02
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	10	14.99
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	10	14.99
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	10	14.99
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	8	14.99
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	8	14.99
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	8	14.99
(2,506)	1:111:A:ALA:H	1:148:A:GLU:H	9	14.99
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	5	14.98
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	5	14.98
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	5	14.98
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	5	14.98
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	5	14.98
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	5	14.98
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	1	14.97
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	1	14.97
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	1	14.97
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	8	14.97
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	3	14.96
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	3	14.96
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	3	14.96
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	6	14.95
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	6	14.95
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	6	14.95
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE1	3	14.95
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE2	3	14.95
(2,1022)	1:73:A:ASP:H	1:7:A:MET:HE3	3	14.95
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	4	14.95
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	4	14.95
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	4	14.95
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	5	14.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	6	14.95
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	4	14.95
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	4	14.95
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	4	14.95
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	6	14.93
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	6	14.93
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	6	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	1	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	1	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	1	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	5	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	5	14.93
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	5	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	9	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	9	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	9	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	9	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	9	14.93
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	9	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	1	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	1	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	1	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	5	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	5	14.93
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	5	14.93
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	5	14.91
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	5	14.91
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	5	14.91
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD11	10	14.91
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD12	10	14.91
(2,636)	1:70:A:LYS:H	1:6:A:ILE:HD13	10	14.91
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD11	10	14.91
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD12	10	14.91
(1,7)	1:70:A:LYS:H	1:6:A:ILE:HD13	10	14.91
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	2	14.9
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	2	14.9
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	2	14.9
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	2	14.9
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	2	14.9
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	2	14.9
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	4	14.87
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	4	14.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	4	14.87
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	4	14.87
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	4	14.87
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	4	14.87
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	3	14.86
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	3	14.86
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	3	14.86
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	2	14.86
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	2	14.86
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	2	14.86
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	2	14.86
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	2	14.86
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	2	14.86
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	5	14.85
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	5	14.85
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	5	14.85
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	3	14.85
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	3	14.85
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	3	14.85
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	3	14.85
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	3	14.85
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	3	14.85
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	7	14.84
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	7	14.84
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	7	14.84
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	7	14.84
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	7	14.84
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	7	14.84
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	2	14.83
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	2	14.83
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	2	14.83
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	1	14.83
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	10	14.83
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	1	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	1	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	1	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	2	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	2	14.81
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	2	14.81
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	7	14.81
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	7	14.81
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	7	14.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	7	14.81
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	7	14.81
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	7	14.81
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	2	14.81
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	2	14.81
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	2	14.81
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD11	1	14.8
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD12	1	14.8
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD13	1	14.8
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD21	1	14.8
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD22	1	14.8
(1,20)	1:112:A:TYR:H	1:54:A:LEU:HD23	1	14.8
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	8	14.79
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	8	14.79
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	8	14.79
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	10	14.78
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	10	14.78
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	10	14.78
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	10	14.78
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	10	14.78
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	10	14.78
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	1	14.78
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	9	14.78
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	5	14.77
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	6	14.75
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	6	14.75
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	6	14.75
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	9	14.74
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	7	14.73
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	7	14.73
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	7	14.73
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	7	14.73
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	7	14.73
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	7	14.73
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	8	14.72
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	8	14.72
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	8	14.72
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	5	14.72
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	5	14.72
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	5	14.72
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG21	4	14.72
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG22	4	14.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1057)	1:174:A:VAL:H	1:22:A:THR:HG23	4	14.72
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	10	14.72
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	10	14.72
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	10	14.72
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	9	14.72
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	9	14.72
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	9	14.72
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	9	14.72
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	9	14.72
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	9	14.72
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	5	14.71
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	5	14.71
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	5	14.71
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	6	14.71
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	6	14.71
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	6	14.71
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	6	14.7
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	6	14.7
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	6	14.7
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	8	14.7
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	1	14.69
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	1	14.69
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	1	14.69
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	9	14.68
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	9	14.68
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	9	14.68
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	2	14.67
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	10	14.66
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	10	14.66
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	10	14.66
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	2	14.65
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	8	14.64
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	8	14.64
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	8	14.64
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG21	9	14.64
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG22	9	14.64
(2,1118)	1:80:A:GLU:H	1:6:A:ILE:HG23	9	14.64
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	10	14.63
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	10	14.63
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	10	14.63
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	4	14.63
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	4	14.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	4	14.63
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	5	14.63
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	5	14.63
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	5	14.63
(2,160)	1:70:A:LYS:H	1:8:A:GLY:H	6	14.63
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	8	14.62
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	8	14.62
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	8	14.62
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	9	14.61
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	9	14.61
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	9	14.61
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	6	14.6
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	6	14.6
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	6	14.6
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	4	14.59
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	4	14.59
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	4	14.59
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	1	14.59
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	1	14.59
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	1	14.59
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG21	2	14.58
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG22	2	14.58
(2,1080)	1:73:A:ASP:H	1:6:A:ILE:HG23	2	14.58
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG21	9	14.57
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG22	9	14.57
(2,1159)	1:66:A:THR:H	1:143:A:ILE:HG23	9	14.57
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	10	14.57
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	10	14.57
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	10	14.57
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	9	14.57
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	9	14.57
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	9	14.57
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	7	14.56
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	7	14.56
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	7	14.56
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	1	14.56
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	10	14.55
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	5	14.55
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	1	14.54
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	1	14.54
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	1	14.54
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	3	14.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	3	14.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	3	14.53
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	1	14.53
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	1	14.49
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	1	14.49
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	1	14.49
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	1	14.49
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	1	14.49
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	1	14.49
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	3	14.48
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	3	14.48
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	3	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	9	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	9	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	9	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	9	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	9	14.48
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	9	14.48
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	2	14.48
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	4	14.48
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	2	14.48
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	2	14.47
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	2	14.47
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	2	14.47
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	8	14.47
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	8	14.47
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	8	14.47
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	8	14.47
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	7	14.47
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG21	6	14.46
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG22	6	14.46
(2,1072)	1:25:A:ALA:H	1:173:A:THR:HG23	6	14.46
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	6	14.46
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	6	14.46
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	6	14.46
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	6	14.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	6	14.46
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	6	14.46
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	4	14.45
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	8	14.44
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	8	14.44
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	8	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	2	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	2	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	2	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	4	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	4	14.44
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	4	14.44
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	8	14.44
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	8	14.44
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	8	14.44
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	6	14.44
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	3	14.44
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	8	14.44
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	8	14.44
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	8	14.44
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	8	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	2	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	2	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	2	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	4	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	4	14.44
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	4	14.44
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	3	14.42
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	9	14.41
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	9	14.41
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	9	14.41
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	6	14.41
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	9	14.41
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	9	14.41
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	9	14.41
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	5	14.4
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	5	14.4
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	5	14.4
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	1	14.39
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	1	14.39
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	1	14.39
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	1	14.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	1	14.39
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	1	14.39
(2,10)	1:6:A:ILE:H	1:148:A:GLU:H	7	14.37
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	5	14.36
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	5	14.36
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	5	14.36
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	5	14.36
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	5	14.36
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	5	14.36
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	3	14.35
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	3	14.35
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	3	14.35
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	9	14.35
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	9	14.35
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	9	14.35
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	1	14.35
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	1	14.35
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	1	14.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	7	14.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	7	14.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	7	14.35
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD11	10	14.35
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD12	10	14.35
(2,634)	1:69:A:GLY:H	1:6:A:ILE:HD13	10	14.35
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	9	14.35
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	9	14.35
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD11	10	14.35
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD12	10	14.35
(1,18)	1:69:A:GLY:H	1:6:A:ILE:HD13	10	14.35
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	7	14.34
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	7	14.34
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	7	14.34
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	6	14.33
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	6	14.33
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	6	14.33
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	7	14.33
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	7	14.33
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	7	14.33
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	4	14.33
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	6	14.33
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	6	14.33
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	6	14.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	9	14.32
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	9	14.32
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	9	14.32
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	4	14.29
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	4	14.29
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	4	14.29
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	2	14.29
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	2	14.29
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	2	14.29
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	7	14.29
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	5	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	5	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	5	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	5	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	5	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	5	14.28
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	10	14.28
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	10	14.28
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	10	14.28
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	8	14.28
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	8	14.28
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	8	14.28
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	8	14.28
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	8	14.28
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	8	14.28
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	2	14.27
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	2	14.27
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	2	14.27
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	2	14.27
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	2	14.27
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	2	14.27
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	4	14.27
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	4	14.27
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	4	14.27
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	8	14.25
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	10	14.25
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	7	14.24
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	7	14.24
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	7	14.24
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	7	14.24
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	7	14.24
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	7	14.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	5	14.23
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	5	14.23
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	5	14.23
(2,3)	1:92:A:TRP:H	1:71:A:ARG:H	5	14.22
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	6	14.21
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	6	14.21
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	6	14.21
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	1	14.2
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	1	14.2
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	1	14.2
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	3	14.19
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	3	14.19
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	3	14.19
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	9	14.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	9	14.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	9	14.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	9	14.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	9	14.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	9	14.18
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	3	14.18
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	1	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	5	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	5	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	5	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	5	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	5	14.17
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	5	14.17
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	7	14.17
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	7	14.17
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	7	14.17
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	3	14.16
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	3	14.16
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	3	14.16
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	2	14.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	2	14.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	2	14.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	2	14.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	2	14.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	2	14.13
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	10	14.13
(2,377)	1:134:A:VAL:H	1:22:A:THR:H	6	14.11
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	8	14.09
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	8	14.09
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	8	14.09
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	3	14.08
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	3	14.08
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	3	14.08
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	3	14.08
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	3	14.08
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	3	14.08
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD11	10	14.07
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD12	10	14.07
(2,645)	1:79:A:ILE:H	1:6:A:ILE:HD13	10	14.07
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD11	10	14.07
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD12	10	14.07
(1,14)	1:79:A:ILE:H	1:6:A:ILE:HD13	10	14.07
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	1	14.06
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	1	14.06
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	1	14.06
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	10	14.05
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	10	14.05
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	10	14.05
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	7	14.05
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	7	14.05
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	7	14.05
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	4	14.05
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	4	14.05
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	4	14.05
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	4	14.04
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	4	14.04
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	4	14.04
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	2	14.04
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	2	14.04
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	2	14.04
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	5	14.03
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	5	14.03
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	5	14.03
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	5	14.02
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	5	14.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	5	14.02
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	7	14.01
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	7	14.01
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	7	14.01
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	2	14.01
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	2	14.01
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	2	14.01
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	7	14.01
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	7	14.01
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	7	14.01
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	4	14.0
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	4	14.0
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	4	14.0
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	3	13.99
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	3	13.99
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	3	13.99
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	6	13.99
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	6	13.99
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	6	13.99
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	3	13.99
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	3	13.99
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	3	13.99
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	5	13.99
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	5	13.99
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	5	13.99
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	5	13.98
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	5	13.98
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	5	13.98
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	2	13.98
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	2	13.98
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	2	13.98
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	8	13.96
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	8	13.96
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	8	13.96
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD11	9	13.94
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD12	9	13.94
(2,551)	1:6:A:ILE:H	1:79:A:ILE:HD13	9	13.94
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	5	13.91
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	5	13.91
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	5	13.91
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	7	13.91
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	9	13.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	9	13.9
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	9	13.9
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	4	13.89
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	4	13.89
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	4	13.89
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	7	13.89
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	7	13.89
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	7	13.89
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	9	13.88
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	9	13.88
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	9	13.88
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	7	13.88
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	7	13.88
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	7	13.88
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	2	13.87
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	2	13.87
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	2	13.87
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	8	13.86
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	8	13.86
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	8	13.86
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	1	13.86
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	1	13.86
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	1	13.86
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	8	13.86
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	8	13.86
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	8	13.86
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	6	13.85
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	6	13.85
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	6	13.85
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	2	13.84
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	2	13.84
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	2	13.84
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	9	13.84
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	9	13.84
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	9	13.84
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	6	13.82
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	6	13.82
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	6	13.82
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	4	13.81
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	4	13.81
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	4	13.81
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	1	13.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	1	13.8
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	1	13.8
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	4	13.8
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	10	13.79
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	10	13.79
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	10	13.79
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG21	4	13.78
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG22	4	13.78
(2,1089)	1:170:A:ALA:H	1:79:A:ILE:HG23	4	13.78
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	1	13.76
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	1	13.76
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	1	13.76
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB1	10	13.75
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB2	10	13.75
(2,903)	1:96:A:THR:H	1:170:A:ALA:HB3	10	13.75
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	7	13.75
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	7	13.75
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	7	13.75
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	4	13.75
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	9	13.74
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	9	13.74
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	9	13.74
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	3	13.74
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	3	13.74
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	3	13.74
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	6	13.74
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	3	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	4	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	4	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	4	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	4	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	4	13.72
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	4	13.72
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	1	13.71
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	1	13.71
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	1	13.71
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	3	13.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	3	13.71
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	3	13.71
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	5	13.69
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	5	13.69
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	5	13.69
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	1	13.68
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	1	13.68
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	1	13.68
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	4	13.68
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	4	13.68
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	4	13.68
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	2	13.67
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	2	13.67
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	2	13.67
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	1	13.67
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	1	13.67
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	1	13.67
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	4	13.66
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	4	13.66
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	4	13.66
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	2	13.66
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	2	13.66
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	2	13.66
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	5	13.63
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	5	13.63
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	5	13.63
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	10	13.63
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	5	13.62
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	5	13.62
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	5	13.62
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	2	13.61
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	2	13.61
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	2	13.61
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	3	13.59
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	3	13.59
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	3	13.59
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	9	13.59
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	9	13.59
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	9	13.59
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	2	13.59
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	2	13.59
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	2	13.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	2	13.59
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	2	13.59
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	2	13.59
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	7	13.58
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	7	13.58
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	7	13.58
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	3	13.58
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	3	13.58
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	3	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	9	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	9	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	9	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	9	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	9	13.58
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	9	13.58
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	10	13.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	10	13.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	10	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	6	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	6	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	6	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	6	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	6	13.57
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	6	13.57
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	2	13.56
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	2	13.56
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	2	13.56
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	1	13.56
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	1	13.56
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	1	13.56
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	8	13.55
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	8	13.55
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	8	13.55
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	7	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	1	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	1	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	1	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	1	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	1	13.55
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	1	13.55
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	9	13.54
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	9	13.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	9	13.54
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	8	13.54
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	1	13.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	1	13.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	1	13.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	9	13.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	9	13.53
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	9	13.53
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	3	13.53
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	3	13.53
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	3	13.53
(2,216)	1:80:A:GLU:H	1:146:A:LEU:H	3	13.53
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	7	13.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	7	13.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	7	13.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	7	13.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	7	13.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	7	13.52
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	6	13.51
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	6	13.51
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	6	13.51
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	8	13.51
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	8	13.51
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	8	13.51
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	8	13.5
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	8	13.5
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	8	13.5
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	8	13.5
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	8	13.5
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	8	13.5
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	9	13.5
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	9	13.5
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	9	13.5
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB1	5	13.49
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB2	5	13.49
(2,905)	1:98:A:LYS:H	1:74:A:ALA:HB3	5	13.49
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	2	13.49
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	2	13.49
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	2	13.49
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	4	13.48
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	4	13.48
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	4	13.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	4	13.47
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	4	13.47
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	4	13.47
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	3	13.45
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	9	13.44
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	9	13.44
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	9	13.44
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	7	13.43
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	7	13.43
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	7	13.43
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	5	13.41
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	5	13.41
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	5	13.41
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	4	13.39
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	4	13.39
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	4	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	10	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	10	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	10	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	10	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	10	13.39
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	10	13.39
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	4	13.38
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	4	13.38
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	4	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	5	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	5	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	5	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	5	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	5	13.38
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	5	13.38
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	4	13.37
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	4	13.37
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	4	13.37
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	9	13.37
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	5	13.35
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	5	13.35
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	5	13.35
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	7	13.34
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	7	13.34
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	7	13.34
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	10	13.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	10	13.33
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	10	13.33
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	8	13.31
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	8	13.31
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	8	13.31
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	8	13.31
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	8	13.31
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	8	13.31
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	9	13.3
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	9	13.3
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	9	13.3
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	3	13.29
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	3	13.29
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	3	13.29
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	3	13.29
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	3	13.29
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	3	13.29
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	5	13.28
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	5	13.28
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	5	13.28
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	1	13.26
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	1	13.26
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	1	13.26
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	7	13.25
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	7	13.25
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	7	13.25
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	8	13.25
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	8	13.25
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	8	13.25
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	7	13.25
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	7	13.25
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	7	13.25
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	6	13.24
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	6	13.24
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	6	13.24
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB1	2	13.24
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB2	2	13.24
(2,910)	1:99:A:ASN:H	1:74:A:ALA:HB3	2	13.24
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	4	13.23
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	3	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	3	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	3	13.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	8	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	8	13.22
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	8	13.22
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	3	13.21
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	3	13.21
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	3	13.21
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	7	13.21
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	6	13.2
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	6	13.2
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	6	13.2
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	6	13.2
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	6	13.2
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	6	13.2
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	1	13.2
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	6	13.19
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	6	13.19
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	6	13.19
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	8	13.18
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	8	13.18
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	8	13.18
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	5	13.18
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	8	13.15
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	8	13.15
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	8	13.15
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	8	13.15
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	8	13.15
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	8	13.15
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	10	13.14
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	10	13.14
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	10	13.14
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG11	10	13.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG12	10	13.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG13	10	13.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG21	10	13.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG22	10	13.13
(2,1001)	1:88:A:GLN:H	1:153:A:VAL:HG23	10	13.13
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	7	13.13
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	7	13.13
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	7	13.13
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD11	3	13.13
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD12	3	13.13
(1,17)	1:75:A:GLY:H	1:6:A:ILE:HD13	3	13.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	1	13.12
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	1	13.12
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	1	13.12
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	9	13.12
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	9	13.12
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	9	13.12
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	4	13.11
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	4	13.11
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	4	13.11
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	10	13.11
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	6	13.1
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	6	13.1
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	6	13.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	2	13.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	2	13.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	2	13.1
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	1	13.09
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	1	13.09
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	1	13.09
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	2	13.08
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	2	13.08
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	2	13.08
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	6	13.08
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	6	13.08
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	6	13.08
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	8	13.08
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	8	13.08
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	8	13.08
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	10	13.07
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	10	13.07
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	10	13.07
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	7	13.07
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	7	13.07
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	7	13.07
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	3	13.06
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	3	13.06
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	3	13.06
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	6	13.06
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	6	13.06
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	6	13.06
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	10	13.06
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	10	13.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	10	13.06
(2,383)	1:135:A:ILE:H	1:24:A:SER:H	2	13.05
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	3	13.05
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	8	13.05
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	1	13.04
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	1	13.04
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	1	13.04
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	8	13.03
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	8	13.03
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	8	13.03
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	5	13.03
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	5	13.03
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	5	13.03
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	4	13.03
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	4	13.03
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	4	13.03
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	10	13.02
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	10	13.02
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	10	13.02
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	10	13.02
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	10	13.02
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	10	13.02
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	10	13.01
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	10	13.01
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	10	13.01
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	7	13.01
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	7	13.01
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	7	13.01
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	6	13.0
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	4	12.99
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	4	12.99
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	4	12.99
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	5	12.99
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	5	12.99
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	5	12.99
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	8	12.98
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	8	12.98
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	8	12.98
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	2	12.98
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	2	12.98
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	2	12.98
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	1	12.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	1	12.98
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	1	12.98
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	2	12.98
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	2	12.98
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	2	12.98
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	6	12.97
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	6	12.97
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	6	12.97
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD11	10	12.96
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD12	10	12.96
(2,626)	1:129:A:SER:H	1:6:A:ILE:HD13	10	12.96
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD11	6	12.96
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD12	6	12.96
(2,553)	1:7:A:MET:H	1:128:A:ILE:HD13	6	12.96
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	9	12.95
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	9	12.95
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	9	12.95
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	1	12.93
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	1	12.93
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	1	12.93
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	1	12.93
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	1	12.93
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	1	12.93
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	6	12.92
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	6	12.92
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	6	12.92
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	3	12.92
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	3	12.92
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	3	12.92
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	3	12.91
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	3	12.91
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	3	12.91
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	5	12.91
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	5	12.91
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	5	12.91
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD11	10	12.89
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD12	10	12.89
(2,741)	1:128:A:ILE:H	1:6:A:ILE:HD13	10	12.89
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	8	12.89
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	8	12.89
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	8	12.89
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	5	12.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	5	12.88
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	5	12.88
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	2	12.88
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	2	12.88
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	2	12.88
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	10	12.86
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	10	12.86
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	10	12.86
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	10	12.85
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	10	12.85
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	10	12.85
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	10	12.85
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	10	12.85
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	10	12.85
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	2	12.85
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	2	12.85
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	9	12.84
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	9	12.84
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	9	12.84
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	5	12.83
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	5	12.83
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	5	12.83
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	6	12.83
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	6	12.83
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	6	12.83
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	9	12.83
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	9	12.83
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	4	12.82
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	4	12.82
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	4	12.82
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	4	12.82
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	4	12.82
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	4	12.82
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	2	12.82
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG21	8	12.81
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG22	8	12.81
(2,1093)	1:7:A:MET:H	1:79:A:ILE:HG23	8	12.81
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	6	12.81
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	6	12.81
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	6	12.81
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	5	12.81
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	5	12.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	8	12.8
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	8	12.8
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	8	12.8
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	8	12.8
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	8	12.8
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	8	12.8
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	1	12.79
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	1	12.79
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	1	12.79
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB1	8	12.79
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB2	8	12.79
(2,882)	1:80:A:GLU:H	1:60:A:ALA:HB3	8	12.79
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	9	12.78
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	9	12.78
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	9	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	10	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	10	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	10	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	10	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	10	12.78
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	10	12.78
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	9	12.77
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	2	12.75
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	2	12.75
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	2	12.75
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	1	12.75
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	1	12.75
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	1	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	6	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	6	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	6	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	6	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	6	12.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	6	12.75
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	1	12.74
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	1	12.74
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	1	12.74
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	5	12.74
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	9	12.73
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	9	12.73
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	9	12.73
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	4	12.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	4	12.71
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	4	12.71
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	7	12.7
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	7	12.7
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	7	12.7
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	9	12.7
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	9	12.7
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	9	12.7
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	2	12.69
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	2	12.69
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	2	12.69
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	1	12.68
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	1	12.68
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	1	12.68
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	4	12.68
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	5	12.67
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	5	12.67
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	5	12.67
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	5	12.67
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	5	12.67
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	5	12.67
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	5	12.66
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	5	12.66
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	5	12.66
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	2	12.65
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	2	12.65
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	2	12.65
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	2	12.65
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	2	12.65
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	2	12.65
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG21	9	12.64
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG22	9	12.64
(2,1103)	1:70:A:LYS:H	1:6:A:ILE:HG23	9	12.64
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	5	12.63
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	5	12.63
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	5	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	6	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	6	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	6	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	6	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	6	12.63
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	6	12.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	2	12.62
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	2	12.62
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	2	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	2	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	2	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	2	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	4	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	4	12.62
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	4	12.62
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	1	12.61
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	1	12.61
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	1	12.61
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	3	12.6
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	7	12.6
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG21	9	12.59
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG22	9	12.59
(2,1083)	1:79:A:ILE:H	1:6:A:ILE:HG23	9	12.59
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	9	12.58
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	9	12.58
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	9	12.58
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	3	12.57
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	3	12.57
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	3	12.57
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	3	12.57
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	3	12.57
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	3	12.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	1	12.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	1	12.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	1	12.57
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB1	2	12.56
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB2	2	12.56
(2,867)	1:73:A:ASP:H	1:106:A:ALA:HB3	2	12.56
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	7	12.55
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	7	12.55
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	7	12.55
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	5	12.54
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	5	12.54
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	5	12.54
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	7	12.54
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	7	12.54
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	7	12.54
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	1	12.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	1	12.52
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	1	12.52
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB1	3	12.52
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB2	3	12.52
(2,912)	1:140:A:ASN:H	1:74:A:ALA:HB3	3	12.52
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	9	12.52
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	9	12.52
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	9	12.52
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	3	12.5
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG11	7	12.49
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG12	7	12.49
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG13	7	12.49
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG21	7	12.49
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG22	7	12.49
(2,1000)	1:88:A:GLN:H	1:151:A:VAL:HG23	7	12.49
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	5	12.49
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	5	12.49
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	5	12.49
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	3	12.48
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	3	12.48
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	3	12.48
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	10	12.47
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	10	12.47
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	10	12.47
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	5	12.46
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	9	12.46
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	9	12.44
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	9	12.44
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	9	12.44
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	9	12.42
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	9	12.42
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	9	12.42
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	1	12.42
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	8	12.41
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	8	12.41
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	8	12.41
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	10	12.4
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	10	12.4
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	10	12.4
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	1	12.4
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	2	12.4
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	1	12.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	6	12.39
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	1	12.38
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	1	12.38
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	1	12.38
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	2	12.38
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	4	12.38
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	7	12.38
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	2	12.38
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	4	12.37
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	4	12.37
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	4	12.37
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	5	12.36
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	5	12.36
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	7	12.35
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	7	12.35
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	7	12.35
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	2	12.35
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	2	12.35
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	2	12.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD11	5	12.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD12	5	12.35
(2,713)	1:81:A:ASP:H	1:143:A:ILE:HD13	5	12.35
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	8	12.33
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	8	12.33
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	8	12.33
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	1	12.33
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	1	12.33
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	4	12.32
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	4	12.32
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	4	12.32
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	7	12.32
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	7	12.32
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	7	12.32
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	5	12.32
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	5	12.32
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	5	12.32
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	3	12.32
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	10	12.31
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	4	12.3
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	4	12.3
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	4	12.3
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	2	12.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	7	12.3
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	10	12.3
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	5	12.3
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	3	12.29
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	3	12.29
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	3	12.29
(2,89)	1:39:A:GLY:H	1:116:A:ARG:H	8	12.29
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	1	12.28
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	1	12.28
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	1	12.28
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	10	12.28
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	10	12.28
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	10	12.28
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	5	12.28
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	9	12.28
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	3	12.24
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	3	12.24
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	3	12.24
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	9	12.23
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	9	12.23
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	9	12.23
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	1	12.23
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	1	12.23
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	1	12.23
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	1	12.23
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	1	12.23
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	1	12.23
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	7	12.22
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	7	12.22
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	1	12.21
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	1	12.21
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	1	12.21
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	2	12.21
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	2	12.21
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	2	12.21
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	2	12.2
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	2	12.2
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	2	12.2
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	6	12.2
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	6	12.2
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	6	12.19
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	6	12.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	6	12.19
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	3	12.18
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	3	12.18
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	3	12.18
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	2	12.18
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	8	12.18
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG21	8	12.17
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG22	8	12.17
(2,1086)	1:8:A:GLY:H	1:79:A:ILE:HG23	8	12.17
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	4	12.17
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	4	12.17
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	5	12.16
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	5	12.16
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	5	12.16
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	6	12.15
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	6	12.15
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	6	12.15
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	2	12.15
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	2	12.15
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	2	12.15
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	4	12.15
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	2	12.14
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	2	12.14
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	2	12.14
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	4	12.14
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	4	12.14
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	4	12.14
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	10	12.14
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	10	12.14
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	1	12.13
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	1	12.13
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	10	12.12
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	10	12.12
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	10	12.12
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	2	12.12
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	2	12.12
(2,158)	1:69:A:GLY:H	1:9:A:GLN:H	6	12.12
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	5	12.12
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	5	12.12
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	5	12.12
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	2	12.11
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	2	12.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	2	12.11
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	1	12.1
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	1	12.1
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	1	12.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	6	12.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	6	12.1
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	6	12.1
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	3	12.1
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	3	12.1
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	9	12.1
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	9	12.1
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	9	12.1
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	6	12.09
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	6	12.09
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	6	12.09
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD11	10	12.09
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD12	10	12.09
(2,660)	1:146:A:LEU:H	1:128:A:ILE:HD13	10	12.09
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	9	12.09
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	9	12.09
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	9	12.09
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	6	12.07
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	10	12.06
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	1	12.05
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	1	12.05
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	1	12.05
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	9	12.05
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	9	12.05
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB1	8	12.04
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB2	8	12.04
(2,824)	1:17:A:SER:H	1:60:A:ALA:HB3	8	12.04
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	3	12.01
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	3	12.01
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	3	12.01
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	5	12.01
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	5	12.01
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	5	11.98
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	5	11.98
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	5	11.98
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	5	11.98
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	5	11.98
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	8	11.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	8	11.97
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	8	11.97
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	10	11.97
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	10	11.97
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG21	6	11.96
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG22	6	11.96
(2,1133)	1:102:A:ASP:H	1:89:A:ILE:HG23	6	11.96
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	9	11.96
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	9	11.96
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	9	11.96
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	5	11.95
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	5	11.95
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	5	11.95
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	6	11.95
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	6	11.95
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	6	11.95
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	5	11.94
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	5	11.94
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	5	11.94
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	8	11.94
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	6	11.93
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	6	11.93
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	6	11.93
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	4	11.92
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	4	11.92
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	4	11.92
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	2	11.92
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	2	11.92
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	1	11.91
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	1	11.91
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	4	11.9
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	4	11.9
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	4	11.9
(2,351)	1:118:A:TYR:H	1:37:A:VAL:H	8	11.9
(2,83)	1:37:A:VAL:H	1:118:A:TYR:H	8	11.9
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG21	9	11.89
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG22	9	11.89
(2,1155)	1:78:A:ALA:H	1:143:A:ILE:HG23	9	11.89
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	1	11.89
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	6	11.87
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	6	11.87
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	6	11.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	8	11.86
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	8	11.86
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	8	11.86
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	7	11.85
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	7	11.85
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	7	11.85
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	2	11.84
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	2	11.84
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	2	11.84
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	7	11.84
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	7	11.84
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	7	11.84
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	8	11.84
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	8	11.84
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	8	11.84
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	9	11.84
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	9	11.84
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	3	11.83
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	3	11.83
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	3	11.83
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	6	11.82
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	6	11.82
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	6	11.82
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	4	11.82
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	8	11.79
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	8	11.79
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	8	11.79
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	7	11.78
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	7	11.78
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	7	11.78
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	9	11.78
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	9	11.78
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	9	11.78
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	7	11.78
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	1	11.76
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	1	11.76
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	1	11.76
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	8	11.76
(2,353)	1:118:A:TYR:H	1:36:A:SER:H	10	11.76
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	2	11.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	5	11.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	5	11.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	5	11.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	5	11.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	5	11.75
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	5	11.75
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	8	11.75
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	8	11.75
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	8	11.75
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	8	11.74
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	8	11.74
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	5	11.71
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	5	11.71
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	5	11.71
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	6	11.71
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	6	11.71
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	6	11.71
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	10	11.7
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	10	11.7
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	10	11.7
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	9	11.7
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	9	11.7
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	8	11.69
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	8	11.69
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	8	11.69
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	9	11.69
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	9	11.69
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	9	11.69
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	4	11.69
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	4	11.69
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	4	11.69
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	7	11.68
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	7	11.68
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	7	11.68
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	9	11.67
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	9	11.67
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	9	11.67
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	7	11.67
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	7	11.67
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	7	11.67
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD11	10	11.67
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD12	10	11.67
(2,800)	1:112:A:TYR:H	1:6:A:ILE:HD13	10	11.67
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	9	11.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	4	11.65
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	4	11.65
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	4	11.65
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	10	11.64
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	10	11.64
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	10	11.64
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	4	11.64
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	1	11.62
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	1	11.62
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	1	11.62
(2,207)	1:78:A:ALA:H	1:144:A:ASP:H	5	11.62
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	4	11.62
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	4	11.62
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	2	11.61
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	2	11.61
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	2	11.61
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	1	11.61
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	10	11.61
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	10	11.61
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	10	11.61
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	10	11.6
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	10	11.6
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	10	11.6
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	4	11.58
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	4	11.58
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	4	11.58
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	7	11.58
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	7	11.58
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	7	11.58
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	5	11.58
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	5	11.58
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	5	11.58
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	7	11.58
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	7	11.58
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	6	11.57
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	6	11.57
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	6	11.57
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	5	11.57
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	5	11.57
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	5	11.57
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	10	11.57
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	8	11.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	6	11.56
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	8	11.56
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG21	9	11.54
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG22	9	11.54
(2,1146)	1:148:A:GLU:H	1:130:A:ILE:HG23	9	11.54
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	2	11.54
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	2	11.54
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	2	11.54
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	2	11.54
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	2	11.54
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	2	11.54
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	2	11.54
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	2	11.54
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	2	11.54
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	2	11.54
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	2	11.54
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	2	11.54
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	2	11.54
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	2	11.54
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	2	11.54
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	2	11.54
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	2	11.54
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	2	11.54
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	3	11.53
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	3	11.53
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	3	11.53
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	3	11.53
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	3	11.53
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	3	11.53
(2,199)	1:78:A:ALA:H	1:145:A:THR:H	3	11.53
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	2	11.52
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	2	11.52
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	2	11.52
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	2	11.52
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	9	11.51
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	9	11.51
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	9	11.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	2	11.49
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	2	11.49
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	2	11.49
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	10	11.48
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	7	11.48
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	7	11.48
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	7	11.48
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	6	11.47
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	6	11.47
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	6	11.47
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	1	11.47
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	1	11.47
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	1	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	2	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	2	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	2	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	5	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	5	11.47
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	5	11.47
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	2	11.47
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	3	11.47
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	9	11.46
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	9	11.46
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	9	11.46
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	9	11.46
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	9	11.46
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	9	11.46
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	9	11.46
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	9	11.46
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	9	11.46
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	9	11.46
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	9	11.46
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	9	11.46
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	9	11.46
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	9	11.46
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	9	11.46
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	9	11.46
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	9	11.46
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	9	11.46
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	8	11.46
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	8	11.46
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	8	11.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	3	11.46
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	5	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	1	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD11	9	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD12	9	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD13	9	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD21	9	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD22	9	11.46
(1,22)	1:135:A:ILE:H	1:54:A:LEU:HD23	9	11.46
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	5	11.45
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	5	11.45
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	5	11.45
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	5	11.45
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	5	11.45
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	5	11.45
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	5	11.45
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	5	11.45
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	5	11.45
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	5	11.45
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	5	11.45
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	5	11.45
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	5	11.45
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	5	11.45
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	5	11.45
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	5	11.45
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	5	11.45
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	5	11.45
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	8	11.44
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	6	11.44
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD11	3	11.44
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD12	3	11.44
(1,11)	1:133:A:GLN:H	1:6:A:ILE:HD13	3	11.44
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	7	11.43
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	7	11.43
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	7	11.43
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	7	11.43
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	7	11.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	7	11.43
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	7	11.43
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	7	11.43
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	7	11.43
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	7	11.43
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	7	11.43
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	7	11.43
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	7	11.43
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	7	11.43
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	7	11.43
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	7	11.43
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	7	11.43
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	7	11.43
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	1	11.43
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	1	11.43
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	1	11.43
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	4	11.42
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	4	11.42
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	4	11.42
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	4	11.42
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	4	11.42
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	4	11.42
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	4	11.42
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	4	11.42
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	4	11.42
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	4	11.42
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	4	11.42
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	4	11.42
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	4	11.42
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	4	11.42
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	4	11.42
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	4	11.42
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	4	11.42
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	4	11.42
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	3	11.41
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	3	11.41
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	3	11.41
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	3	11.41
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	3	11.41
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	3	11.41
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	6	11.41
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	8	11.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	8	11.4
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	8	11.4
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	7	11.4
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	1	11.39
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	1	11.39
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	1	11.39
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	1	11.39
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	1	11.39
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	1	11.39
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	1	11.39
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	1	11.39
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	1	11.39
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	1	11.39
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	1	11.39
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	1	11.39
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	1	11.39
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	1	11.39
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	1	11.39
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	1	11.39
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	1	11.39
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	1	11.39
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	8	11.38
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	8	11.38
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	8	11.38
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	8	11.38
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	8	11.38
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	8	11.38
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	8	11.38
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	8	11.38
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	8	11.38
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	8	11.38
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	8	11.38
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	8	11.38
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	8	11.38
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	8	11.38
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	8	11.38
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	8	11.38
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	8	11.38
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	8	11.38
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	10	11.38
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	10	11.38
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	10	11.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	8	11.37
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	8	11.37
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	8	11.37
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	2	11.37
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	2	11.37
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	2	11.37
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	4	11.37
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	2	11.37
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	7	11.36
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	7	11.36
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	7	11.36
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD11	10	11.35
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD12	10	11.35
(2,771)	1:170:A:ALA:H	1:150:A:ILE:HD13	10	11.35
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	1	11.35
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	4	11.33
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	4	11.33
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	4	11.33
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	1	11.33
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	1	11.33
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	1	11.33
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	10	11.33
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	10	11.33
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	10	11.33
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG21	5	11.32
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG22	5	11.32
(2,1068)	1:77:A:LYS:H	1:173:A:THR:HG23	5	11.32
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	2	11.31
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	2	11.31
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	2	11.31
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	2	11.31
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	2	11.31
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	2	11.31
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD11	6	11.31
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD12	6	11.31
(2,734)	1:117:A:GLU:H	1:150:A:ILE:HD13	6	11.31
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	6	11.3
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	6	11.3
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	6	11.3
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	5	11.28
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	1	11.27
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	1	11.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	1	11.27
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	1	11.27
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	1	11.27
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	1	11.27
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	7	11.27
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	7	11.27
(2,203)	1:146:A:LEU:H	1:73:A:ASP:H	3	11.27
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	7	11.27
(2,178)	1:73:A:ASP:H	1:146:A:LEU:H	3	11.27
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	9	11.26
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	9	11.26
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	9	11.26
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	9	11.26
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	9	11.26
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	9	11.26
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	9	11.26
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	9	11.26
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	9	11.26
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	3	11.26
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	3	11.26
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	3	11.26
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	1	11.25
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	1	11.25
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	1	11.25
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	4	11.25
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	4	11.25
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	4	11.25
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	9	11.24
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	9	11.24
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	9	11.24
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	7	11.24
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	3	11.23
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	3	11.23
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	3	11.23
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	3	11.23
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	3	11.23
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	3	11.23
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	3	11.23
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	3	11.23
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	3	11.23
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	3	11.23
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	3	11.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	3	11.23
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	3	11.23
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	3	11.23
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	3	11.23
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	3	11.23
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	3	11.23
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	3	11.23
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	4	11.22
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	4	11.22
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	4	11.22
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	7	11.21
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	7	11.21
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	7	11.21
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	4	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	5	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	5	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	5	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	5	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	5	11.2
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	5	11.2
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	3	11.19
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	3	11.19
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	3	11.19
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	3	11.19
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	4	11.19
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	5	11.17
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	5	11.17
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	5	11.17
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	10	11.17
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	10	11.17
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	10	11.17
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	6	11.16
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	6	11.16
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	6	11.16
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	6	11.16
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	6	11.16
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	6	11.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	4	11.16
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	4	11.16
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	4	11.16
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	6	11.16
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	2	11.15
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	2	11.15
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	2	11.15
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	10	11.15
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	10	11.15
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	10	11.15
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	3	11.15
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	3	11.15
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	3	11.15
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	4	11.14
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	6	11.14
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	7	11.14
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	4	11.14
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	6	11.14
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	7	11.14
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	7	11.13
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	7	11.13
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	7	11.13
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	5	11.13
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	5	11.13
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	5	11.13
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	9	11.12
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	9	11.12
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	9	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	4	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	4	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	4	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	4	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	4	11.12
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	4	11.12
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	7	11.11
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	7	11.11
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	7	11.11
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	3	11.11
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	3	11.11
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	3	11.11
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	3	11.11
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	3	11.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	3	11.11
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB1	4	11.1
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB2	4	11.1
(2,893)	1:83:A:TYR:H	1:106:A:ALA:HB3	4	11.1
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	3	11.1
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	3	11.1
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	3	11.1
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	2	11.1
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	2	11.1
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	2	11.1
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	1	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	1	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	1	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	2	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	2	11.08
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	2	11.08
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	1	11.08
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	1	11.08
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	1	11.08
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	4	11.07
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	8	11.07
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	8	11.07
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	8	11.07
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	8	11.07
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	1	11.06
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	1	11.06
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	1	11.06
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	1	11.06
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	1	11.06
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	1	11.06
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	1	11.06
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	1	11.06
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	1	11.06
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	2	11.05
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	2	11.05
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	2	11.05
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	8	11.05
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	8	11.05
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD11	7	11.05
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD12	7	11.05
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD13	7	11.05
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD21	7	11.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD22	7	11.05
(1,21)	1:112:A:TYR:H	1:43:A:LEU:HD23	7	11.05
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	2	11.05
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	2	11.05
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	2	11.05
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	5	11.03
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	5	11.03
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	5	11.03
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	8	11.03
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	8	11.03
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	8	11.03
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	9	11.03
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	9	11.03
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	9	11.03
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	5	11.02
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	5	11.02
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	5	11.02
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	6	11.02
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	6	11.02
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	6	11.02
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	1	11.02
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	6	11.0
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	6	11.0
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	6	11.0
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	6	11.0
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	6	11.0
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	6	11.0
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	6	11.0
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	6	11.0
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	6	11.0
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	6	11.0
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	6	11.0
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	6	11.0
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	6	11.0
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	6	11.0
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	6	11.0
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	6	11.0
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	6	11.0
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	6	11.0
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	5	10.99
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	5	10.99
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	5	10.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	2	10.99
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	2	10.99
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	2	10.99
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD11	9	10.99
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD12	9	10.99
(2,561)	1:148:A:GLU:H	1:128:A:ILE:HD13	9	10.99
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	2	10.99
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	1	10.98
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	1	10.98
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	1	10.98
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	1	10.98
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	1	10.98
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	1	10.98
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG21	6	10.97
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG22	6	10.97
(2,1064)	1:125:A:ALA:H	1:173:A:THR:HG23	6	10.97
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	9	10.97
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	9	10.97
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	9	10.97
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	5	10.97
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	5	10.97
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	5	10.97
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	1	10.96
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	1	10.96
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	1	10.96
(2,150)	1:69:A:GLY:H	1:170:A:ALA:H	7	10.96
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	10	10.96
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	10	10.96
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	10	10.96
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD11	10	10.95
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD12	10	10.95
(2,939)	1:128:A:ILE:HD11	1:6:A:ILE:HD13	10	10.95
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD11	10	10.95
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD12	10	10.95
(2,939)	1:128:A:ILE:HD12	1:6:A:ILE:HD13	10	10.95
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD11	10	10.95
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD12	10	10.95
(2,939)	1:128:A:ILE:HD13	1:6:A:ILE:HD13	10	10.95
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD11	10	10.95
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD12	10	10.95
(2,933)	1:6:A:ILE:HD11	1:128:A:ILE:HD13	10	10.95
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD11	10	10.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD12	10	10.95
(2,933)	1:6:A:ILE:HD12	1:128:A:ILE:HD13	10	10.95
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD11	10	10.95
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD12	10	10.95
(2,933)	1:6:A:ILE:HD13	1:128:A:ILE:HD13	10	10.95
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	9	10.94
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	9	10.94
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	9	10.94
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	1	10.94
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	1	10.94
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	1	10.94
(2,206)	1:146:A:LEU:H	1:77:A:LYS:H	3	10.94
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	4	10.94
(2,196)	1:77:A:LYS:H	1:146:A:LEU:H	3	10.94
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	4	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	3	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	3	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	3	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	4	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	4	10.94
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	4	10.94
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	2	10.93
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	2	10.93
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	2	10.93
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	10	10.93
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	7	10.93
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	7	10.93
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	7	10.93
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	2	10.92
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	2	10.92
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	2	10.92
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	8	10.92
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	8	10.92
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	8	10.92
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	7	10.92
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	7	10.92
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	7	10.92
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	3	10.92
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	6	10.92
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	6	10.92
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	7	10.91
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	7	10.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	7	10.91
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	5	10.91
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	5	10.91
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	5	10.91
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	7	10.9
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	7	10.9
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	7	10.9
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	7	10.9
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	7	10.9
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	7	10.9
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	5	10.9
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	5	10.9
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	5	10.9
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	3	10.9
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	3	10.9
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	3	10.9
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	8	10.9
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	8	10.9
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	8	10.9
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	9	10.9
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	1	10.89
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	3	10.89
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	2	10.87
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	2	10.87
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	2	10.87
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	5	10.87
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	5	10.87
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	5	10.87
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	7	10.87
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	10	10.86
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	10	10.86
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	10	10.86
(2,261)	1:81:A:ASP:H	1:109:A:GLY:H	5	10.86
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	8	10.85
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	8	10.85
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	8	10.85
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	8	10.85
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	8	10.85
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	8	10.85
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	4	10.85
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	4	10.85
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	4	10.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	6	10.85
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	6	10.85
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	6	10.85
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	4	10.85
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	9	10.84
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	9	10.84
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	9	10.84
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	10	10.84
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	10	10.84
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	9	10.84
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	9	10.84
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	9	10.84
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	9	10.83
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	9	10.83
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	9	10.83
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	6	10.83
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	6	10.83
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	6	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	1	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	1	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	1	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	6	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	6	10.83
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	6	10.83
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	3	10.83
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	3	10.83
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	3	10.83
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	6	10.83
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	6	10.83
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	6	10.83
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	5	10.83
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	4	10.82
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	4	10.82
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	4	10.82
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	2	10.82
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	2	10.82
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	2	10.82
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD11	10	10.81
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD12	10	10.81
(2,625)	1:68:A:TYR:H	1:6:A:ILE:HD13	10	10.81
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	9	10.81
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	9	10.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	9	10.81
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	1	10.8
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	1	10.8
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	1	10.8
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG11	10	10.79
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG12	10	10.79
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG13	10	10.79
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG21	10	10.79
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG22	10	10.79
(2,1004)	1:170:A:ALA:H	1:151:A:VAL:HG23	10	10.79
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	8	10.79
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	8	10.79
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	8	10.79
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	8	10.78
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	8	10.78
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	8	10.78
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	2	10.78
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	2	10.78
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	2	10.78
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG21	9	10.76
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG22	9	10.76
(2,1101)	1:148:A:GLU:H	1:79:A:ILE:HG23	9	10.76
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD11	10	10.76
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD12	10	10.76
(2,749)	1:137:A:GLU:H	1:53:A:ILE:HD13	10	10.76
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	8	10.74
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	8	10.74
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	8	10.74
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	4	10.74
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	4	10.74
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	4	10.74
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	3	10.74
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	3	10.74
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	5	10.73
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	5	10.73
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	5	10.73
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	5	10.73
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	5	10.73
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	5	10.73
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	2	10.72
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	2	10.72
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	2	10.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	10	10.72
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	10	10.72
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	10	10.72
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	10	10.71
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	10	10.71
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	10	10.71
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	7	10.71
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	7	10.71
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	7	10.71
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	8	10.71
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	8	10.71
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	8	10.71
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	3	10.7
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	3	10.7
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	3	10.7
(2,204)	1:146:A:LEU:H	1:79:A:ILE:H	8	10.7
(2,180)	1:79:A:ILE:H	1:146:A:LEU:H	8	10.7
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	2	10.69
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD11	9	10.68
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD12	9	10.68
(1,13)	1:135:A:ILE:H	1:6:A:ILE:HD13	9	10.68
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	3	10.66
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	3	10.66
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	3	10.66
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	4	10.65
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	4	10.65
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	4	10.65
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	9	10.65
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	9	10.65
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	9	10.65
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	9	10.64
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	3	10.62
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	3	10.62
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	3	10.62
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	7	10.61
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	7	10.61
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	7	10.61
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB1	7	10.61
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB2	7	10.61
(2,879)	1:77:A:LYS:H	1:106:A:ALA:HB3	7	10.61
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	5	10.6
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	5	10.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	5	10.6
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	8	10.59
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	8	10.59
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	8	10.59
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	8	10.59
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	8	10.59
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	8	10.59
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	10	10.58
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	10	10.58
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	10	10.58
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	4	10.56
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	4	10.56
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	4	10.56
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	6	10.56
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	6	10.56
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	6	10.56
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	6	10.55
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	6	10.55
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	6	10.55
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	1	10.54
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	1	10.54
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	1	10.54
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	4	10.53
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	4	10.53
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	4	10.53
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	4	10.53
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	4	10.53
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	4	10.53
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	4	10.51
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	4	10.51
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	4	10.51
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	3	10.49
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	3	10.49
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	3	10.49
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	6	10.49
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	6	10.49
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	6	10.49
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	1	10.49
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	6	10.48
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	6	10.48
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	6	10.48
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	5	10.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	5	10.48
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	5	10.48
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	6	10.48
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	6	10.48
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	6	10.48
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	5	10.47
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	5	10.47
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	5	10.47
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	7	10.47
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	7	10.47
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	7	10.47
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG21	10	10.46
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG22	10	10.46
(2,1144)	1:107:A:GLN:H	1:128:A:ILE:HG23	10	10.46
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	8	10.44
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	8	10.44
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	8	10.44
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	6	10.44
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	6	10.44
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	6	10.44
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	3	10.44
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	3	10.44
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	3	10.44
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	3	10.44
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	3	10.44
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	3	10.44
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	2	10.42
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	2	10.42
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	2	10.42
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	10	10.41
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	10	10.41
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	10	10.41
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	9	10.41
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	9	10.41
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	9	10.41
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	6	10.4
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	6	10.4
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	6	10.4
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD11	8	10.4
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD12	8	10.4
(2,784)	1:9:A:GLN:H	1:143:A:ILE:HD13	8	10.4
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB1	8	10.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB2	8	10.38
(2,892)	1:83:A:TYR:H	1:60:A:ALA:HB3	8	10.38
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	1	10.38
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	1	10.38
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	1	10.38
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	9	10.38
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	2	10.36
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	2	10.34
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	2	10.34
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	2	10.34
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	6	10.34
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	6	10.33
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	6	10.33
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	6	10.33
(2,263)	1:92:A:TRP:H	1:73:A:ASP:H	5	10.3
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	8	10.29
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	8	10.29
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	8	10.29
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	8	10.29
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	8	10.29
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	9	10.28
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	9	10.28
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	9	10.28
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	10	10.28
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD11	3	10.26
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD12	3	10.26
(2,571)	1:84:A:GLN:H	1:150:A:ILE:HD13	3	10.26
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	10	10.25
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	10	10.25
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	10	10.25
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	10	10.25
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	10	10.25
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	10	10.25
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	7	10.25
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	7	10.25
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	7	10.25
(2,71)	1:110:A:PHE:H	1:23:A:GLY:H	6	10.25
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	7	10.25
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	7	10.25
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	7	10.25
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	6	10.23
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	6	10.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	6	10.23
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	8	10.23
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	8	10.23
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	8	10.23
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD11	10	10.23
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD12	10	10.23
(2,621)	1:67:A:TYR:H	1:6:A:ILE:HD13	10	10.23
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	10	10.22
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	10	10.22
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	10	10.22
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	5	10.22
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	6	10.22
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	10	10.21
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	10	10.21
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	10	10.21
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	10	10.19
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	10	10.19
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	10	10.19
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	8	10.17
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	8	10.17
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	8	10.17
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD11	10	10.17
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD12	10	10.17
(2,558)	1:148:A:GLU:H	1:6:A:ILE:HD13	10	10.17
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD11	10	10.17
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD12	10	10.17
(1,6)	1:148:A:GLU:H	1:6:A:ILE:HD13	10	10.17
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	9	10.16
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	9	10.16
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	9	10.16
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	7	10.15
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	7	10.15
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	7	10.15
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB1	6	10.15
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB2	6	10.15
(2,820)	1:16:A:GLN:H	1:60:A:ALA:HB3	6	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	2	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	2	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	2	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	2	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	2	10.15
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	2	10.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	2	10.14
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	2	10.14
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	2	10.14
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	7	10.13
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	7	10.13
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	7	10.13
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	1	10.13
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	1	10.13
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	1	10.13
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	10	10.11
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	10	10.11
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	10	10.11
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	4	10.1
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	4	10.1
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	4	10.1
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	3	10.09
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	3	10.09
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	3	10.09
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	9	10.09
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	9	10.09
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	9	10.09
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	2	10.09
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	3	10.08
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	3	10.08
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	3	10.08
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	2	10.08
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	2	10.08
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	2	10.08
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	4	10.08
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	4	10.08
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	4	10.08
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	7	10.08
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	7	10.08
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	7	10.07
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	7	10.07
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	7	10.07
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	3	10.07
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	1	10.07
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	6	10.06
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	6	10.06
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	6	10.06
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	8	10.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	8	10.06
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	8	10.06
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	5	10.05
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	5	10.05
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	5	10.05
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	4	10.05
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	5	10.05
(2,6)	1:92:A:TRP:H	1:7:A:MET:H	10	10.05
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	4	10.04
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	4	10.04
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	4	10.04
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	4	10.04
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	4	10.04
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	4	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	1	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	1	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	1	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	5	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	5	10.04
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	5	10.04
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	5	10.04
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	2	10.03
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	2	10.03
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	2	10.03
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	1	10.03
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	8	10.02
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	9	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	1	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	1	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	1	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	1	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	1	10.02
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	1	10.02
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	9	10.01
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	7	10.0
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	7	10.0
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	7	10.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	7	10.0
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	7	10.0
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	7	10.0
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	6	10.0
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	6	10.0
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	6	10.0
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	2	10.0
(2,35)	1:84:A:GLN:H	1:92:A:TRP:H	10	10.0
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	4	10.0
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	10	9.99
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	10	9.99
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	10	9.99
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	7	9.99
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	7	9.99
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	7	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	6	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	10	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	10	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	10	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	10	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	10	9.99
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	10	9.99
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD11	6	9.98
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD12	6	9.98
(2,630)	1:129:A:SER:H	1:150:A:ILE:HD13	6	9.98
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	6	9.96
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	6	9.96
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	6	9.96
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	4	9.95
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	4	9.95
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	4	9.95
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	9	9.95
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	9	9.95
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	9	9.95
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	4	9.94
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	4	9.94
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	4	9.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	8	9.94
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	8	9.94
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	8	9.94
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	5	9.93
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	5	9.93
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	5	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	9	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	9	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	9	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	9	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	9	9.93
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	9	9.93
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB1	8	9.92
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB2	8	9.92
(2,862)	1:30:A:ALA:H	1:20:A:ALA:HB3	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	8	9.92
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	8	9.92
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	9	9.9
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	9	9.9
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	9	9.9
(2,7)	1:6:A:ILE:H	1:14:A:LEU:H	3	9.9
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	3	9.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	3	9.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	3	9.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	3	9.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	3	9.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	3	9.88
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	1	9.87
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	1	9.87
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	1	9.87
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	8	9.87
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	8	9.87
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	8	9.87
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	8	9.86
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	8	9.86
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	8	9.86
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	10	9.86
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	10	9.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	10	9.86
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB1	2	9.85
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB2	2	9.85
(2,907)	1:95:A:ASP:H	1:74:A:ALA:HB3	2	9.85
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	1	9.85
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	1	9.85
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	1	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	4	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	4	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	4	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	7	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	7	9.85
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	7	9.85
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	5	9.85
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	5	9.85
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	5	9.85
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD11	1	9.84
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD12	1	9.84
(2,665)	1:78:A:ALA:H	1:143:A:ILE:HD13	1	9.84
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	2	9.82
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	2	9.82
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	2	9.82
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	3	9.8
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	3	9.8
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	3	9.8
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	6	9.8
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	6	9.8
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	6	9.8
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	3	9.78
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	3	9.78
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	3	9.78
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	10	9.77
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	10	9.77
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	10	9.77
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	9	9.76
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	9	9.76
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	9	9.76
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	9	9.76
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	9	9.76
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	9	9.76
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	8	9.75
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	8	9.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	8	9.75
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	6	9.74
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	6	9.74
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	6	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	1	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	1	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	1	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	9	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	9	9.74
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	9	9.74
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD11	3	9.74
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD12	3	9.74
(2,549)	1:6:A:ILE:H	1:143:A:ILE:HD13	3	9.74
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	10	9.73
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	10	9.73
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	10	9.73
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD11	8	9.73
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD12	8	9.73
(2,757)	1:145:A:THR:H	1:130:A:ILE:HD13	8	9.73
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	1	9.72
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	1	9.72
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	1	9.72
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	9	9.72
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	9	9.72
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	1	9.7
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	1	9.7
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	4	9.69
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	7	9.67
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	7	9.67
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	7	9.67
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	7	9.67
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	7	9.67
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	7	9.67
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	10	9.67
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	10	9.67
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	10	9.67
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD11	6	9.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD12	6	9.65
(2,747)	1:132:A:LEU:H	1:150:A:ILE:HD13	6	9.65
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	2	9.65
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	2	9.65
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	3	9.64
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	3	9.64
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	3	9.64
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	6	9.63
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	6	9.63
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	6	9.63
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	4	9.61
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	4	9.61
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	4	9.61
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	5	9.61
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	5	9.61
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	5	9.6
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	5	9.6
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	5	9.6
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	9	9.6
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	9	9.6
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	9	9.6
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	2	9.59
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	2	9.59
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	2	9.59
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	8	9.58
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	8	9.58
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	8	9.58
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	7	9.57
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	7	9.57
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	7	9.57
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	2	9.57
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	2	9.57
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	2	9.57
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	6	9.57
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	6	9.57
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	6	9.57
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	8	9.56
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	8	9.56
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	8	9.56
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	2	9.56
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	2	9.56
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	2	9.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	8	9.56
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	7	9.55
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	7	9.55
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	7	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	1	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	1	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	1	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	5	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	5	9.55
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	5	9.55
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	3	9.53
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	3	9.53
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	3	9.53
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	4	9.53
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	4	9.53
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	4	9.53
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	10	9.52
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	7	9.5
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	7	9.5
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	7	9.5
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	4	9.5
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	1	9.49
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	1	9.49
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	1	9.49
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	1	9.49
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	1	9.49
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	1	9.49
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB1	5	9.49
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB2	5	9.49
(2,841)	1:110:A:PHE:H	1:74:A:ALA:HB3	5	9.49
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	8	9.48
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	8	9.48
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	8	9.48
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	5	9.47
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	5	9.47
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	5	9.47
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	4	9.47
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	4	9.47
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	4	9.47
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	3	9.46
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	3	9.46
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	3	9.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	3	9.46
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	3	9.46
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	3	9.46
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	1	9.46
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	1	9.46
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	1	9.46
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	7	9.45
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	5	9.44
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	5	9.44
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	5	9.44
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	5	9.44
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	5	9.44
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	5	9.44
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	4	9.44
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	4	9.44
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	4	9.44
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	1	9.43
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	1	9.43
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	1	9.43
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	1	9.43
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	1	9.43
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	1	9.43
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	7	9.41
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	7	9.41
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	7	9.41
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	2	9.41
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	2	9.41
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	2	9.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	2	9.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	2	9.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	2	9.41
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	2	9.4
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	2	9.4
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	2	9.4
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	5	9.4
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	5	9.4
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	5	9.4
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	2	9.4
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD11	4	9.39
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD12	4	9.39
(2,809)	1:121:A:GLY:H	1:79:A:ILE:HD13	4	9.39
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	1	9.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	1	9.38
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	1	9.38
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	6	9.37
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	6	9.37
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	6	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	2	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	2	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	2	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	2	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	2	9.37
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	2	9.37
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	5	9.37
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	5	9.37
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	5	9.37
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	5	9.37
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	5	9.37
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	5	9.37
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	6	9.37
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	6	9.37
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	6	9.37
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	10	9.37
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	10	9.36
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	10	9.36
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	10	9.36
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	7	9.36
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	7	9.36
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	7	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	3	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	3	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	3	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	3	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	3	9.36
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	3	9.36
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	7	9.36
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	7	9.36
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	7	9.36
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	6	9.36
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	7	9.36
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	4	9.35
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	4	9.35
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	4	9.35
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	6	9.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	4	9.34
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	9	9.33
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	9	9.33
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	9	9.33
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	7	9.33
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	7	9.33
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	7	9.33
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	2	9.33
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	2	9.33
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	2	9.33
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	9	9.32
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	9	9.32
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	9	9.32
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD11	9	9.32
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD12	9	9.32
(2,754)	1:144:A:ASP:H	1:130:A:ILE:HD13	9	9.32
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	8	9.31
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	5	9.3
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	5	9.3
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	5	9.3
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	1	9.3
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	3	9.29
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	3	9.29
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	3	9.29
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	9	9.27
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	9	9.27
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	9	9.27
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	9	9.27
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	9	9.27
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	9	9.27
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	7	9.27
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	7	9.27
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	5	9.26
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	5	9.26
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	5	9.26
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	4	9.25
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	4	9.25
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	4	9.25
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG21	4	9.24
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG22	4	9.24
(2,1054)	1:67:A:TYR:H	1:145:A:THR:HG23	4	9.24
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	4	9.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	3	9.24
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	4	9.24
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG21	8	9.23
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG22	8	9.23
(2,1161)	1:129:A:SER:H	1:150:A:ILE:HG23	8	9.23
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD11	3	9.23
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD12	3	9.23
(2,589)	1:24:A:SER:H	1:135:A:ILE:HD13	3	9.23
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	10	9.22
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	10	9.22
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	10	9.22
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	10	9.22
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	10	9.22
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	10	9.22
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	1	9.22
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	1	9.21
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	1	9.21
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	1	9.21
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	3	9.21
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	3	9.21
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	3	9.21
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD11	3	9.2
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD12	3	9.2
(2,600)	1:88:A:GLN:H	1:150:A:ILE:HD13	3	9.2
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	5	9.18
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	4	9.18
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	7	9.16
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	7	9.16
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	7	9.16
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	7	9.16
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	7	9.16
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	7	9.16
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	5	9.16
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	5	9.15
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	5	9.15
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	5	9.15
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	10	9.15
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	10	9.15
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	10	9.15
(2,493)	1:14:A:LEU:H	1:81:A:ASP:H	9	9.14
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	3	9.13
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	3	9.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	3	9.13
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	3	9.13
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	3	9.13
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	3	9.13
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	4	9.13
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	4	9.13
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	4	9.13
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	9	9.13
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	9	9.13
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	9	9.13
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	9	9.13
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	9	9.13
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	9	9.13
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	2	9.13
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	3	9.13
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	2	9.12
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	2	9.12
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	2	9.12
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD11	7	9.12
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD12	7	9.12
(2,664)	1:146:A:LEU:H	1:6:A:ILE:HD13	7	9.12
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	4	9.11
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	4	9.11
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	4	9.11
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	4	9.11
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	4	9.11
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	4	9.11
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	9	9.1
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	9	9.1
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	9	9.1
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	9	9.1
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	9	9.1
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	9	9.1
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	3	9.09
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	3	9.09
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	3	9.09
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	3	9.09
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	8	9.08
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	8	9.08
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	8	9.08
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	8	9.08
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	8	9.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	8	9.08
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	1	9.08
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	1	9.08
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	1	9.08
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	8	9.04
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	8	9.04
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	8	9.04
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB1	2	9.03
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB2	2	9.03
(2,864)	1:30:A:ALA:H	1:106:A:ALA:HB3	2	9.03
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	5	9.02
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	5	9.02
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	5	9.02
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	8	9.02
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	8	9.02
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	8	9.02
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	4	9.01
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	4	9.01
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	4	9.01
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	3	9.01
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	9	9.01
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	3	9.01
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	6	9.0
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	6	9.0
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	6	9.0
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	1	8.99
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	1	8.99
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	1	8.99
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	1	8.99
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	1	8.99
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	1	8.99
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	10	8.98
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	10	8.98
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	10	8.98
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	10	8.98
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	10	8.98
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	10	8.98
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	10	8.98
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	10	8.98
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	10	8.98
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	8	8.98
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	8	8.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	8	8.98
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	6	8.98
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	6	8.98
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	6	8.97
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	6	8.97
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	6	8.97
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	7	8.96
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	7	8.96
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	7	8.96
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	7	8.95
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	7	8.95
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	7	8.95
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	7	8.93
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	7	8.93
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	7	8.93
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	7	8.93
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	6	8.93
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	6	8.91
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	6	8.91
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	6	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	9	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	9	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	9	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	9	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	9	8.91
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	9	8.91
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	4	8.91
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	4	8.91
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	4	8.91
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	4	8.9
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	4	8.9
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	4	8.9
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	8	8.89
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	8	8.89
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	8	8.89
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	3	8.88
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	3	8.88
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	3	8.88
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	10	8.88
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	10	8.88
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	10	8.88
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	6	8.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	6	8.87
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	6	8.87
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	6	8.87
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	6	8.87
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	6	8.87
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	2	8.86
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	2	8.86
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	2	8.86
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	7	8.85
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	7	8.85
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	7	8.85
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	9	8.85
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	9	8.85
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	9	8.85
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	3	8.84
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	3	8.84
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	3	8.84
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	10	8.84
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	10	8.84
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	10	8.84
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	1	8.83
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	8	8.82
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	8	8.82
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	8	8.82
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	8	8.82
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	8	8.82
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	8	8.82
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	7	8.82
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	7	8.81
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	7	8.81
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	7	8.81
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	2	8.8
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	2	8.8
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	2	8.8
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	2	8.8
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	2	8.8
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	2	8.8
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	10	8.8
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	10	8.8
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	10	8.8
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB1	1	8.79
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB2	1	8.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,870)	1:79:A:ILE:H	1:106:A:ALA:HB3	1	8.79
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	9	8.79
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	9	8.79
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	9	8.79
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	6	8.78
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	6	8.78
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	6	8.78
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	6	8.78
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	6	8.78
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	6	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	2	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	2	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	2	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	5	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	5	8.78
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	5	8.78
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	1	8.78
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	2	8.77
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB1	6	8.76
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB2	6	8.76
(2,876)	1:76:A:GLN:H	1:106:A:ALA:HB3	6	8.76
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	8	8.74
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	8	8.74
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	8	8.74
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	6	8.73
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	6	8.73
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	6	8.73
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	10	8.73
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	10	8.73
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	2	8.73
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	8	8.73
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	10	8.72
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	10	8.72
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	10	8.72
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD11	3	8.72
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD12	3	8.72
(2,805)	1:112:A:TYR:H	1:150:A:ILE:HD13	3	8.72
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	5	8.71
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	5	8.71
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	5	8.71
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	5	8.71
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	5	8.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	5	8.71
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	1	8.71
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	1	8.71
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	1	8.71
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	10	8.71
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	9	8.71
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	10	8.71
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	4	8.7
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	4	8.7
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	4	8.7
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	5	8.69
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	4	8.69
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	4	8.68
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	10	8.68
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	3	8.67
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	3	8.67
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	3	8.67
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	2	8.66
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	2	8.66
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	2	8.66
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	7	8.65
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	7	8.65
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	7	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	8	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	8	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	8	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	8	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	8	8.65
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	8	8.65
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	10	8.63
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	10	8.63
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	10	8.63
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	10	8.63
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	10	8.63
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	10	8.63
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	4	8.63
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	4	8.63
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	4	8.63
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	6	8.63
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	6	8.63
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	6	8.63
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	1	8.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	1	8.62
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	1	8.62
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	1	8.62
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	1	8.62
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	1	8.62
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	10	8.62
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	10	8.62
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	10	8.62
(2,39)	1:84:A:GLN:H	1:91:A:PHE:H	3	8.61
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	7	8.6
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	7	8.6
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	7	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG11	10	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG12	10	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG13	10	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG21	10	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG22	10	8.6
(2,978)	1:129:A:SER:H	1:94:A:VAL:HG23	10	8.6
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	8	8.59
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	8	8.59
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	8	8.59
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	3	8.58
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	3	8.58
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	3	8.58
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	1	8.58
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	1	8.58
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	1	8.58
(2,507)	1:111:A:ALA:H	1:12:A:LYS:H	8	8.58
(2,19)	1:12:A:LYS:H	1:111:A:ALA:H	8	8.58
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	4	8.57
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	4	8.57
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	4	8.57
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	1	8.57
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	1	8.57
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	1	8.57
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	4	8.56
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	4	8.56
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	4	8.56
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	8	8.56
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	8	8.56
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	8	8.56
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	3	8.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	3	8.56
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	3	8.56
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	7	8.56
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	7	8.56
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	7	8.56
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	4	8.56
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	5	8.56
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	7	8.55
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	7	8.55
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	7	8.55
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	3	8.54
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	3	8.54
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	3	8.54
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	7	8.54
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	7	8.54
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	7	8.54
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	2	8.54
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	2	8.54
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	2	8.54
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	3	8.52
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	3	8.52
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	3	8.52
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	6	8.52
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	6	8.52
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	6	8.52
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	10	8.52
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	4	8.51
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	4	8.51
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	4	8.51
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	6	8.51
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	6	8.51
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	6	8.51
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	7	8.51
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	7	8.51
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	7	8.51
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	6	8.51
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	4	8.5
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	4	8.5
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	10	8.49
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	10	8.49
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	10	8.49
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	7	8.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	9	8.48
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	9	8.48
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	9	8.48
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	9	8.48
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	9	8.48
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	9	8.48
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	7	8.46
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	7	8.44
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	7	8.44
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	7	8.44
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	6	8.44
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	6	8.44
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	6	8.44
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	3	8.43
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	3	8.43
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	3	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	5	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	5	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	5	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	5	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	5	8.43
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	5	8.43
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	8	8.43
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	8	8.43
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	8	8.43
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	6	8.43
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	6	8.43
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	6	8.43
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	4	8.43
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	4	8.43
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	4	8.43
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	6	8.42
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	6	8.42
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	6	8.42
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD11	6	8.42
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD12	6	8.42
(2,560)	1:12:A:LYS:H	1:128:A:ILE:HD13	6	8.42
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	3	8.42
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	3	8.42
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	3	8.42
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	9	8.41
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	9	8.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	9	8.41
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	2	8.41
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	8	8.41
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	2	8.41
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	7	8.4
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	7	8.4
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	7	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	8	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	8	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	8	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	8	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	8	8.4
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	8	8.4
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	5	8.4
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	5	8.4
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	5	8.4
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	7	8.4
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	9	8.4
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	4	8.39
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	4	8.39
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	4	8.39
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	5	8.39
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	5	8.39
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	5	8.39
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG21	5	8.38
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG22	5	8.38
(2,1100)	1:148:A:GLU:H	1:6:A:ILE:HG23	5	8.38
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	4	8.38
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	4	8.38
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	4	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG11	2	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG12	2	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG13	2	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG21	2	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG22	2	8.38
(2,1011)	1:140:A:ASN:H	1:153:A:VAL:HG23	2	8.38
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	7	8.37
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	7	8.37
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	7	8.37
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	8	8.37
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	8	8.37
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	8	8.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	7	8.37
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	7	8.37
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	7	8.37
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	2	8.37
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG21	4	8.36
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG22	4	8.36
(2,1050)	1:19:A:ASP:H	1:145:A:THR:HG23	4	8.36
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	3	8.36
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	8	8.35
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	8	8.35
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	8	8.35
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	4	8.35
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	3	8.34
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	3	8.34
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	3	8.34
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	3	8.34
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	8	8.34
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	7	8.34
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	8	8.34
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	4	8.34
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	8	8.34
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	2	8.34
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	3	8.33
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	3	8.33
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	3	8.33
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	1	8.33
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	8	8.33
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	10	8.33
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	5	8.33
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	3	8.32
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	3	8.32
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	3	8.32
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	3	8.32
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	3	8.32
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	3	8.32
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	2	8.31
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	2	8.31
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	2	8.31
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	2	8.31
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	2	8.31
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	2	8.31
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	1	8.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	6	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	4	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	4	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	4	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	4	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	4	8.3
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	4	8.3
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG21	3	8.29
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG22	3	8.29
(2,1048)	1:65:A:VAL:H	1:145:A:THR:HG23	3	8.29
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	2	8.29
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	2	8.29
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	2	8.29
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	3	8.29
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	7	8.28
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	7	8.28
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	7	8.28
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	7	8.28
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	7	8.28
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	7	8.28
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	5	8.28
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	9	8.28
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	3	8.28
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	4	8.27
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	4	8.27
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	4	8.27
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	1	8.27
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	1	8.27
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	1	8.27
(2,12)	1:92:A:TRP:H	1:148:A:GLU:H	9	8.27
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	5	8.26
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	5	8.26
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	5	8.26
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	6	8.26
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	1	8.26
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	6	8.26
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	1	8.25
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	1	8.25
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	1	8.25
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	1	8.25
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	1	8.25
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	1	8.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	4	8.25
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	4	8.25
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	4	8.25
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	2	8.25
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	2	8.25
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	2	8.25
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	7	8.25
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	7	8.25
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	7	8.25
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	5	8.25
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	5	8.25
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	5	8.25
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	4	8.24
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	4	8.24
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	4	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD11	7	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD12	7	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD13	7	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD21	7	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD22	7	8.24
(1,23)	1:135:A:ILE:H	1:43:A:LEU:HD23	7	8.24
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	1	8.23
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	1	8.23
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	1	8.23
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	1	8.23
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	1	8.23
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	1	8.23
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	10	8.23
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	10	8.23
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	10	8.23
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	3	8.23
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	3	8.23
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	3	8.23
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	5	8.23
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	4	8.23
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	1	8.23
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	7	8.23
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	4	8.22
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	4	8.22
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	4	8.22
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	10	8.22
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	9	8.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	4	8.21
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	3	8.2
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	3	8.2
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	3	8.2
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	1	8.2
(2,481)	1:111:A:ALA:H	1:75:A:GLY:H	2	8.2
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	1	8.2
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	6	8.19
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	6	8.19
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	6	8.19
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	6	8.19
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	6	8.19
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	6	8.19
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	10	8.19
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	10	8.19
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	10	8.19
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	7	8.19
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	7	8.19
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	7	8.19
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD11	3	8.19
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD12	3	8.19
(2,689)	1:83:A:TYR:H	1:150:A:ILE:HD13	3	8.19
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	1	8.19
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	1	8.19
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	1	8.19
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	3	8.19
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	3	8.18
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	3	8.18
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	3	8.18
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	2	8.18
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	2	8.18
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	2	8.18
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	5	8.18
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	5	8.18
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	5	8.18
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	3	8.17
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	3	8.17
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	3	8.17
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	5	8.16
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	5	8.16
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	5	8.16
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	5	8.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	5	8.16
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	5	8.16
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	9	8.16
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	9	8.16
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	9	8.16
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	1	8.16
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	1	8.16
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	1	8.16
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	7	8.16
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	4	8.16
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	3	8.16
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	5	8.16
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	9	8.15
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	9	8.15
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	9	8.15
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	6	8.14
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	6	8.14
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	6	8.14
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	8	8.14
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	8	8.14
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	8	8.14
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	8	8.14
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	9	8.14
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	3	8.13
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	3	8.13
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	3	8.13
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	3	8.13
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	3	8.13
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	3	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	7	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	7	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	7	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	7	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	7	8.13
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	7	8.13
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	7	8.13
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	7	8.13
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	7	8.13
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	4	8.13
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	4	8.13
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	4	8.13
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	7	8.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	7	8.13
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	7	8.13
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	5	8.13
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	2	8.13
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	7	8.13
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	9	8.12
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	9	8.12
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	9	8.12
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	10	8.12
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	10	8.12
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	10	8.12
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	10	8.12
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	4	8.11
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	4	8.11
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	4	8.11
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	4	8.11
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	4	8.11
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	4	8.11
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	7	8.11
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	1	8.1
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	9	8.1
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG11	10	8.09
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG12	10	8.09
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG13	10	8.09
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG21	10	8.09
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG22	10	8.09
(2,1003)	1:91:A:PHE:H	1:153:A:VAL:HG23	10	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	3	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	3	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	3	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	3	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	3	8.09
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	3	8.09
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	1	8.09
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	1	8.09
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	1	8.09
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	6	8.09
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	2	8.09
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	4	8.08
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	6	8.08
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	1	8.08
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	6	8.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	1	8.08
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	9	8.07
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	9	8.07
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	9	8.07
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	9	8.07
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	9	8.07
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	9	8.07
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	9	8.07
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	9	8.07
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	9	8.07
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	6	8.07
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	6	8.07
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	1	8.06
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	1	8.06
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	1	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	2	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	2	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	2	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	2	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	2	8.06
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	2	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	3	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	3	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	3	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	9	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	9	8.06
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	9	8.06
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	2	8.06
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	10	8.06
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	5	8.05
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	5	8.05
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	5	8.05
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	3	8.05
(2,296)	1:99:A:ASN:H	1:139:A:LYS:H	10	8.05
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	5	8.04
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	5	8.04
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	5	8.04
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	5	8.04
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	5	8.04
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	5	8.04
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	10	8.04
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	10	8.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	10	8.04
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	4	8.03
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	4	8.03
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	4	8.03
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	4	8.03
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	4	8.03
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	4	8.03
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	3	8.03
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	3	8.03
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	3	8.03
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	1	8.03
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	1	8.03
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	1	8.03
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	5	8.03
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	5	8.03
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	5	8.03
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	6	8.03
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	6	8.03
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	5	8.02
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	5	8.02
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	5	8.02
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	4	8.02
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	4	8.02
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	4	8.02
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	9	8.02
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	2	8.01
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	2	8.01
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	2	8.01
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	7	8.01
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	7	8.01
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	7	8.01
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	5	8.01
(2,379)	1:134:A:VAL:H	1:83:A:TYR:H	2	8.01
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	2	8.0
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	2	8.0
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	2	8.0
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	2	8.0
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	2	8.0
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	2	8.0
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	2	8.0
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	1	8.0
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	10	8.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	6	7.99
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	6	7.99
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	6	7.99
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	9	7.99
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	9	7.99
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	9	7.99
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	7	7.99
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	8	7.99
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	1	7.99
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	2	7.99
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	7	7.98
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	7	7.98
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	7	7.98
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	10	7.98
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	9	7.98
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	4	7.97
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	4	7.97
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	4	7.97
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	8	7.97
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	8	7.97
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	8	7.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	5	7.96
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	5	7.96
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	5	7.96
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	5	7.96
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	5	7.96
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	5	7.96
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	9	7.96
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	9	7.96
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	9	7.96
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	3	7.96
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	9	7.95
(2,75)	1:110:A:PHE:H	1:25:A:ALA:H	8	7.95
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	4	7.94
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	4	7.94
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	4	7.94
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	8	7.94
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	7	7.94
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	5	7.93
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	5	7.93
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	5	7.93
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	1	7.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	1	7.93
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	1	7.93
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	2	7.93
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	2	7.93
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	2	7.93
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD11	9	7.93
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD12	9	7.93
(2,799)	1:28:A:PHE:H	1:18:A:ILE:HD13	9	7.93
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	4	7.92
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB1	7	7.91
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB2	7	7.91
(2,857)	1:28:A:PHE:H	1:170:A:ALA:HB3	7	7.91
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	4	7.91
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	6	7.9
(2,536)	1:20:A:ALA:H	1:28:A:PHE:H	8	7.9
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	10	7.9
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	3	7.89
(2,240)	1:86:A:GLY:H	1:91:A:PHE:H	4	7.89
(2,43)	1:84:A:GLN:H	1:15:A:PHE:H	8	7.88
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	9	7.87
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	9	7.87
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	9	7.87
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	1	7.87
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	1	7.87
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	1	7.87
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	9	7.86
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	9	7.86
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	9	7.86
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	9	7.86
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	9	7.86
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	9	7.86
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	1	7.86
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	1	7.86
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	1	7.86
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	10	7.85
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	9	7.84
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	9	7.84
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	9	7.84
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB1	2	7.84
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB2	2	7.84
(2,873)	1:75:A:GLY:H	1:106:A:ALA:HB3	2	7.84
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	1	7.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	1	7.84
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	1	7.84
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	5	7.84
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	10	7.83
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	10	7.83
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	10	7.83
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	10	7.83
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	10	7.83
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	10	7.83
(2,537)	1:20:A:ALA:H	1:14:A:LEU:H	8	7.83
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	5	7.83
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	2	7.82
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	2	7.82
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	2	7.82
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	5	7.82
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	5	7.82
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	5	7.82
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	10	7.82
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	2	7.8
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	2	7.8
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	2	7.8
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	2	7.8
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	2	7.8
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	2	7.8
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	9	7.78
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	9	7.78
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	9	7.78
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	5	7.77
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	5	7.77
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	5	7.77
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	8	7.76
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	8	7.76
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	8	7.76
(2,515)	1:28:A:PHE:H	1:112:A:TYR:H	9	7.75
(2,340)	1:112:A:TYR:H	1:28:A:PHE:H	9	7.75
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	7	7.74
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	7	7.74
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	7	7.74
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	10	7.73
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	10	7.73
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	10	7.73
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	7	7.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	7	7.72
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	7	7.72
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD11	5	7.71
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD12	5	7.71
(2,806)	1:121:A:GLY:H	1:130:A:ILE:HD13	5	7.71
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	5	7.71
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	4	7.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	4	7.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	4	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	6	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	8	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	8	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	8	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	8	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	8	7.7
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	8	7.7
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	8	7.7
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	8	7.7
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	8	7.7
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	8	7.7
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	8	7.7
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	8	7.7
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	1	7.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	1	7.69
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	1	7.69
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	1	7.69
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	2	7.69
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	2	7.69
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	2	7.69
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	3	7.69
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	3	7.69
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	3	7.69
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	9	7.69
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	9	7.69
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD11	10	7.68
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD12	10	7.68
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD13	10	7.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD21	10	7.68
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD22	10	7.68
(2,970)	1:129:A:SER:H	1:14:A:LEU:HD23	10	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	2	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	2	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	2	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	3	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	3	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	3	7.68
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	4	7.68
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	4	7.68
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	4	7.68
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	7	7.65
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	7	7.65
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	7	7.65
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB1	9	7.65
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB2	9	7.65
(2,827)	1:21:A:ALA:H	1:106:A:ALA:HB3	9	7.65
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	3	7.65
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	3	7.65
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	3	7.65
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	6	7.64
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	6	7.64
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	6	7.64
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	4	7.63
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	4	7.63
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	4	7.63
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	8	7.63
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	9	7.61
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	1	7.6
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	1	7.6
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	1	7.6
(2,259)	1:81:A:ASP:H	1:91:A:PHE:H	3	7.6
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	3	7.58
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	3	7.58
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	3	7.58
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	10	7.58
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	10	7.58
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	10	7.58
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	1	7.58
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	1	7.56
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	7	7.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	5	7.55
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	10	7.54
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	10	7.54
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	10	7.54
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	6	7.54
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	8	7.52
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	8	7.52
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	8	7.52
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	7	7.51
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	7	7.51
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	7	7.51
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	9	7.51
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	9	7.51
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	9	7.51
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	6	7.5
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	6	7.5
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	6	7.5
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	7	7.48
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	4	7.48
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	3	7.47
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	4	7.47
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	10	7.46
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	10	7.46
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	10	7.46
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	9	7.46
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	9	7.46
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	9	7.46
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	10	7.46
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	10	7.46
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	10	7.46
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	10	7.46
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	10	7.46
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	10	7.46
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	5	7.46
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	5	7.46
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	5	7.46
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	6	7.46
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	6	7.46
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	6	7.46
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	6	7.46
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	6	7.46
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	6	7.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	5	7.45
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	5	7.45
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	5	7.45
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	9	7.45
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	9	7.43
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	9	7.43
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	9	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	3	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	3	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	3	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	4	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	4	7.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	4	7.43
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD11	1	7.43
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD12	1	7.43
(2,786)	1:27:A:LEU:H	1:18:A:ILE:HD13	1	7.43
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	6	7.43
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	4	7.42
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	2	7.42
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	2	7.42
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	6	7.41
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	6	7.41
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	6	7.41
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	1	7.41
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	1	7.41
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	1	7.41
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	10	7.41
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	10	7.41
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	10	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	6	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	6	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	6	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	8	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	8	7.41
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	8	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	6	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	6	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	6	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	8	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	8	7.41
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	8	7.41
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	4	7.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	4	7.41
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	4	7.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	4	7.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	4	7.41
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	4	7.41
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	5	7.41
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	8	7.39
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	8	7.39
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	8	7.39
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	8	7.39
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	8	7.39
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	8	7.39
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	5	7.38
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	5	7.38
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	5	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	6	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	6	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	6	7.38
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	7	7.38
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	8	7.37
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	8	7.37
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	8	7.37
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	8	7.37
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB1	6	7.36
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB2	6	7.36
(2,881)	1:80:A:GLU:H	1:21:A:ALA:HB3	6	7.36
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	5	7.36
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	5	7.36
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	5	7.36
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	2	7.36
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	2	7.35
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	2	7.35
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	2	7.35
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	9	7.35
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	9	7.35
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	9	7.35
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	4	7.35
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	4	7.35
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	4	7.35
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	6	7.35
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	1	7.34
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	1	7.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	1	7.34
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	1	7.34
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	1	7.34
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	1	7.34
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	8	7.34
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	8	7.34
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	8	7.34
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	10	7.34
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	10	7.34
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	10	7.34
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	8	7.34
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	8	7.34
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	8	7.34
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	7	7.32
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	7	7.32
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	7	7.32
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	7	7.32
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	7	7.32
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	7	7.32
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	7	7.32
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	7	7.32
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	7	7.32
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	5	7.32
(2,28)	1:15:A:PHE:H	1:133:A:GLN:H	3	7.32
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	5	7.31
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	1	7.31
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	2	7.3
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	6	7.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	6	7.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	6	7.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	6	7.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	6	7.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	6	7.29
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	8	7.29
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	4	7.28
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	4	7.28
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	4	7.28
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	2	7.28
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	2	7.28
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	2	7.28
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	2	7.27
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	2	7.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	2	7.27
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	4	7.27
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	4	7.27
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	4	7.27
(2,66)	1:22:A:THR:H	1:109:A:GLY:H	10	7.27
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	10	7.26
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	10	7.26
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	10	7.26
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	7	7.26
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	7	7.26
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	7	7.26
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	9	7.26
(2,297)	1:99:A:ASN:H	1:108:A:PHE:H	10	7.26
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	8	7.25
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	8	7.25
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	8	7.25
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	3	7.25
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	9	7.24
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	9	7.24
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	9	7.24
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	2	7.24
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	2	7.24
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	2	7.24
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	5	7.23
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	5	7.23
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	5	7.23
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	3	7.23
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	9	7.23
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	3	7.22
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	3	7.22
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	3	7.22
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	2	7.21
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	8	7.2
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	8	7.2
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	3	7.19
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	3	7.19
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	3	7.19
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD11	8	7.19
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD12	8	7.19
(2,668)	1:146:A:LEU:H	1:79:A:ILE:HD13	8	7.19
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	2	7.19
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	2	7.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	2	7.19
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	8	7.19
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	8	7.19
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	9	7.18
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	9	7.18
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	9	7.18
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	7	7.18
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	7	7.18
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	4	7.18
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	10	7.18
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	6	7.18
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	10	7.18
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	1	7.17
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	1	7.17
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	1	7.17
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	5	7.17
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	5	7.17
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	5	7.17
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD11	6	7.16
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD12	6	7.16
(2,618)	1:65:A:VAL:H	1:150:A:ILE:HD13	6	7.16
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	1	7.15
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	1	7.15
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	1	7.15
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	2	7.15
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	2	7.15
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	2	7.15
(2,435)	1:164:A:GLY:H	1:169:A:GLU:H	1	7.15
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	5	7.13
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	5	7.13
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	5	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	8	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	8	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	8	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	8	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	8	7.13
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	8	7.13
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	9	7.13
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	9	7.13
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	9	7.13
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	1	7.12
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	1	7.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	1	7.12
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	5	7.12
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	5	7.12
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	5	7.12
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	5	7.12
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	5	7.12
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	5	7.12
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	7	7.12
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	7	7.12
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	6	7.11
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	6	7.11
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	6	7.11
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	6	7.11
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	6	7.11
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	6	7.11
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	6	7.1
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	6	7.1
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	6	7.1
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	1	7.1
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	1	7.1
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	1	7.1
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	1	7.1
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	1	7.1
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	1	7.1
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	1	7.1
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	4	7.1
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	1	7.1
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	4	7.1
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	6	7.09
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	10	7.09
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	6	7.09
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	10	7.09
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG21	10	7.07
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG22	10	7.07
(2,1131)	1:142:A:GLU:H	1:89:A:ILE:HG23	10	7.07
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	5	7.07
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	5	7.07
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	5	7.07
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	3	7.07
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD11	9	7.06
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD12	9	7.06
(2,797)	1:14:A:LEU:H	1:18:A:ILE:HD13	9	7.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	9	7.05
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	9	7.05
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	9	7.05
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	9	7.05
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	9	7.05
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	9	7.05
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	4	7.05
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	4	7.05
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	5	7.04
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	5	7.04
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	5	7.04
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	2	7.04
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	2	7.04
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	2	7.04
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	8	7.04
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	8	7.04
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD11	3	7.03
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD12	3	7.03
(2,711)	1:81:A:ASP:H	1:150:A:ILE:HD13	3	7.03
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD11	3	7.03
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD12	3	7.03
(2,683)	1:81:A:ASP:H	1:150:A:ILE:HD13	3	7.03
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	10	7.02
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	10	7.02
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	10	7.02
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	4	7.02
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	4	7.02
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	2	7.01
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	2	7.01
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	2	7.01
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	1	7.01
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	1	7.01
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	1	7.01
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	2	7.01
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	2	7.01
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	2	7.01
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	1	7.01
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	1	7.01
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	1	7.01
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	8	7.01
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	4	7.01
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	10	7.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	4	7.01
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	8	7.01
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	8	7.0
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	8	7.0
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	8	7.0
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	8	7.0
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	8	7.0
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	8	7.0
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	9	7.0
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	9	7.0
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	9	7.0
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	10	7.0
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	10	7.0
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	10	7.0
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	6	7.0
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	10	6.99
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	10	6.99
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	10	6.99
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	10	6.99
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	10	6.99
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	10	6.99
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	3	6.99
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	3	6.99
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	7	6.97
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	7	6.97
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	7	6.97
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	7	6.97
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	7	6.97
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	7	6.97
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	6	6.97
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	8	6.97
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	6	6.97
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	8	6.97
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	6	6.97
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	4	6.96
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	4	6.96
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	4	6.96
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	2	6.96
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	2	6.96
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	2	6.96
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	4	6.96
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	7	6.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	3	6.96
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	6	6.96
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	7	6.96
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	3	6.96
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	6	6.96
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	7	6.95
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	7	6.95
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	7	6.95
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	3	6.95
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	3	6.95
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	3	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	4	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	4	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	4	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	7	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	7	6.95
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	7	6.95
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	7	6.95
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	7	6.95
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	7	6.95
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	6	6.95
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	6	6.95
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	6	6.95
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	7	6.95
(2,266)	1:92:A:TRP:H	1:80:A:GLU:H	8	6.95
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	6	6.95
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD11	1	6.94
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD12	1	6.94
(2,544)	1:92:A:TRP:H	1:128:A:ILE:HD13	1	6.94
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	3	6.94
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	3	6.94
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	10	6.93
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	10	6.93
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	10	6.93
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	2	6.93
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	2	6.93
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG21	2	6.92
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG22	2	6.92
(2,1147)	1:12:A:LYS:H	1:130:A:ILE:HG23	2	6.92
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	4	6.92
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	4	6.92
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	4	6.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	4	6.92
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	4	6.92
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	4	6.92
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	9	6.92
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	9	6.92
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	9	6.92
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	2	6.92
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	7	6.92
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	2	6.92
(2,73)	1:110:A:PHE:H	1:21:A:ALA:H	10	6.92
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	8	6.91
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	8	6.91
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	8	6.91
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	2	6.9
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	2	6.9
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	2	6.9
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	3	6.9
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	3	6.9
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	3	6.9
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	3	6.9
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	3	6.9
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	3	6.9
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	1	6.9
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	1	6.9
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	1	6.9
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	8	6.9
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	6	6.9
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB1	5	6.89
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB2	5	6.89
(2,853)	1:111:A:ALA:H	1:74:A:ALA:HB3	5	6.89
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB1	5	6.89
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB2	5	6.89
(2,814)	1:111:A:ALA:H	1:74:A:ALA:HB3	5	6.89
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	6	6.89
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	6	6.89
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	9	6.88
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	9	6.88
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	9	6.88
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	9	6.88
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	9	6.88
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	9	6.88
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	5	6.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	6	6.88
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	5	6.88
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	5	6.88
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	5	6.88
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	9	6.87
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	9	6.87
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	9	6.87
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	3	6.86
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	7	6.85
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	9	6.85
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	7	6.85
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	9	6.85
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	10	6.84
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	9	6.84
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	10	6.84
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	8	6.84
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	9	6.84
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	8	6.82
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	8	6.82
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	8	6.82
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	10	6.81
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	10	6.81
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	10	6.81
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	1	6.81
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	10	6.81
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	1	6.81
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	10	6.81
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	1	6.8
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	1	6.8
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	1	6.8
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	6	6.8
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	6	6.8
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	6	6.8
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	10	6.8
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	5	6.78
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	5	6.78
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	5	6.78
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD11	3	6.78
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD12	3	6.78
(2,693)	1:89:A:ILE:H	1:150:A:ILE:HD13	3	6.78
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	10	6.78
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	10	6.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,539)	1:109:A:GLY:H	1:28:A:PHE:H	9	6.77
(2,512)	1:28:A:PHE:H	1:109:A:GLY:H	9	6.77
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	1	6.77
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	3	6.77
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	1	6.77
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	3	6.77
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	10	6.75
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	10	6.75
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	10	6.75
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	10	6.75
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	10	6.75
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	10	6.75
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	4	6.75
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	7	6.74
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	7	6.74
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	7	6.74
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	1	6.74
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	1	6.74
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	3	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	3	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	3	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	9	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	9	6.73
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	9	6.73
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	6	6.73
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	5	6.72
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	5	6.72
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	5	6.72
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	5	6.72
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	5	6.72
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	5	6.72
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	10	6.72
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	2	6.71
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	2	6.71
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	2	6.71
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	8	6.71
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	8	6.71
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	8	6.71
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	10	6.71
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG21	8	6.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG22	8	6.7
(2,1107)	1:12:A:LYS:H	1:79:A:ILE:HG23	8	6.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	10	6.7
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	10	6.7
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	10	6.7
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	5	6.69
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	5	6.69
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	5	6.69
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	5	6.69
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	5	6.69
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	5	6.69
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG21	6	6.69
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG22	6	6.69
(2,1125)	1:145:A:THR:H	1:89:A:ILE:HG23	6	6.69
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	8	6.69
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	8	6.69
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	8	6.69
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	2	6.69
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	2	6.69
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	2	6.69
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	9	6.69
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	9	6.69
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	2	6.68
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	2	6.68
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	2	6.68
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	2	6.68
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	2	6.68
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	2	6.68
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	8	6.68
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	8	6.68
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	8	6.68
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	2	6.68
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	2	6.68
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	7	6.68
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	3	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	3	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	3	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	6	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	6	6.67
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	6	6.67
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	4	6.67
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	4	6.67
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	4	6.67
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD11	8	6.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD12	8	6.67
(2,790)	1:28:A:PHE:H	1:143:A:ILE:HD13	8	6.67
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	1	6.67
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	1	6.67
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	1	6.67
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	1	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	1	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	1	6.66
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	1	6.66
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	1	6.66
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	1	6.66
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	2	6.66
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	8	6.66
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	2	6.66
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	9	6.65
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	9	6.65
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	9	6.65
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	9	6.65
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	9	6.65
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	9	6.65
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	2	6.64
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	2	6.64
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	2	6.64
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	2	6.64
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	2	6.64
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	2	6.64
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	6	6.64
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	6	6.64
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	6	6.64
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	4	6.64
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	4	6.64
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	4	6.64
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	5	6.63
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	5	6.63
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	5	6.63
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	10	6.63
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	10	6.63
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	10	6.63
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	6	6.63
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	6	6.63
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	6	6.63
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	4	6.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	4	6.62
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	4	6.62
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	4	6.62
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	4	6.62
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	4	6.62
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	4	6.62
(2,495)	1:111:A:ALA:H	1:81:A:ASP:H	5	6.62
(2,256)	1:81:A:ASP:H	1:111:A:ALA:H	5	6.62
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	10	6.61
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	10	6.61
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	10	6.61
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	10	6.61
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	10	6.61
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	10	6.61
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	6	6.61
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	6	6.61
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	6	6.61
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	3	6.6
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	3	6.6
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	3	6.6
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	2	6.6
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	2	6.6
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	1	6.59
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	8	6.58
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	8	6.58
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	8	6.58
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	10	6.58
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	10	6.58
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	10	6.58
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	9	6.58
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	1	6.57
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	1	6.57
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	1	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	1	6.57
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	7	6.57
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	7	6.57
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	7	6.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	5	6.57
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	9	6.56
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	9	6.56
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	9	6.56
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	9	6.56
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	9	6.56
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	9	6.56
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	7	6.56
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	7	6.56
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	7	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	2	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	2	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	2	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	9	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	9	6.56
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	9	6.56
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	5	6.55
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	5	6.55
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	5	6.55
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	8	6.55
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	8	6.55
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	8	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	5	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	5	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	5	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	5	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	5	6.55
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	5	6.55
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	6	6.55
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	6	6.55
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	6	6.55
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	7	6.55
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	7	6.55
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	7	6.55
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	7	6.55
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	7	6.55
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	7	6.55
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	3	6.55
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	3	6.55
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	3	6.55
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	3	6.55
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	1	6.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	1	6.55
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	8	6.55
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	10	6.54
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	10	6.54
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	10	6.54
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	10	6.54
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	10	6.54
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	10	6.54
(2,527)	1:109:A:GLY:H	1:19:A:ASP:H	2	6.54
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	7	6.53
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD11	4	6.52
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD12	4	6.52
(2,662)	1:146:A:LEU:H	1:89:A:ILE:HD13	4	6.52
(2,522)	1:104:A:TYR:H	1:92:A:TRP:HE1	5	6.52
(2,464)	1:92:A:TRP:HE1	1:104:A:TYR:H	5	6.52
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	10	6.51
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	10	6.51
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	10	6.51
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	10	6.51
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	10	6.51
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	10	6.51
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	10	6.51
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	10	6.51
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	10	6.51
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	8	6.5
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	8	6.5
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	8	6.5
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	8	6.5
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	8	6.5
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	8	6.5
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	8	6.5
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	8	6.5
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	8	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	2	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	2	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	2	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	2	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	2	6.5
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	2	6.5
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	1	6.5
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	1	6.5
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	1	6.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	10	6.5
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	10	6.5
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	10	6.5
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	10	6.49
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	10	6.49
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	10	6.49
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	6	6.49
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	6	6.49
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	6	6.49
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	7	6.49
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	7	6.49
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	7	6.49
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	1	6.48
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	1	6.48
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	1	6.48
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	1	6.48
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	1	6.48
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	1	6.48
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	5	6.48
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	5	6.48
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	5	6.48
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	2	6.47
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	2	6.47
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	2	6.47
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	1	6.47
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	1	6.47
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	1	6.47
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	2	6.47
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	2	6.47
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD11	3	6.46
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD12	3	6.46
(2,793)	1:111:A:ALA:H	1:150:A:ILE:HD13	3	6.46
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	6	6.46
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	6	6.46
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	6	6.46
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	1	6.46
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	1	6.46
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	1	6.46
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	3	6.46
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	7	6.46
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	3	6.46
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	3	6.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	7	6.46
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	3	6.46
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG21	7	6.45
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG22	7	6.45
(2,1137)	1:68:A:TYR:H	1:89:A:ILE:HG23	7	6.45
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	2	6.45
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	2	6.45
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	2	6.45
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	5	6.45
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	10	6.44
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	10	6.44
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	10	6.44
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	2	6.44
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	2	6.44
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	2	6.44
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB1	9	6.44
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB2	9	6.44
(2,843)	1:24:A:SER:H	1:111:A:ALA:HB3	9	6.44
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	4	6.44
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	4	6.44
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	8	6.43
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	8	6.43
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	8	6.43
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	8	6.42
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	8	6.42
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	8	6.42
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	4	6.42
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	4	6.41
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	4	6.41
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	4	6.41
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	5	6.41
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	5	6.41
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	5	6.41
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	1	6.41
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	6	6.4
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	6	6.4
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	6	6.4
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	9	6.4
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	9	6.4
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	6	6.39
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	6	6.39
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	6	6.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	6	6.39
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	6	6.39
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	6	6.39
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	1	6.39
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG21	6	6.38
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG22	6	6.38
(2,1156)	1:146:A:LEU:H	1:89:A:ILE:HG23	6	6.38
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG21	6	6.38
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG22	6	6.38
(2,1129)	1:146:A:LEU:H	1:89:A:ILE:HG23	6	6.38
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	8	6.38
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	8	6.38
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	8	6.38
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	6	6.37
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	6	6.37
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	6	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	4	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	4	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	4	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	4	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	4	6.37
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	4	6.37
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	7	6.37
(2,488)	1:28:A:PHE:H	1:89:A:ILE:H	5	6.36
(2,242)	1:89:A:ILE:H	1:28:A:PHE:H	5	6.36
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	2	6.36
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	4	6.35
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	4	6.35
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	4	6.35
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	4	6.35
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	4	6.35
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	4	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	2	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	2	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	2	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	2	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	2	6.35
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	2	6.35
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	9	6.35
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	9	6.35
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	9	6.35
(2,4)	1:92:A:TRP:H	1:114:A:GLU:H	9	6.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	4	6.34
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	4	6.34
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	2	6.34
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	3	6.33
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	3	6.33
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	3	6.33
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	6	6.32
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	6	6.32
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	6	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	1	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	1	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	1	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	1	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	1	6.32
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	1	6.32
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	4	6.32
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	3	6.31
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	3	6.31
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	3	6.31
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	5	6.31
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	3	6.3
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	5	6.29
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	5	6.29
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	5	6.29
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	10	6.29
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	10	6.29
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	10	6.29
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	5	6.28
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	5	6.28
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	5	6.28
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	5	6.28
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	5	6.28
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	5	6.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	4	6.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	4	6.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	4	6.28
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	3	6.27
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	3	6.27
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	3	6.27
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	3	6.27
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	3	6.27
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	3	6.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	6	6.25
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	6	6.25
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	6	6.25
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	10	6.25
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	10	6.25
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	10	6.25
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	10	6.25
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	9	6.24
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	9	6.24
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	9	6.24
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	9	6.24
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	9	6.24
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	9	6.24
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD11	6	6.24
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD12	6	6.24
(2,676)	1:80:A:GLU:H	1:150:A:ILE:HD13	6	6.24
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	8	6.24
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	8	6.24
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	8	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	3	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	3	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	3	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD11	7	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD12	7	6.24
(2,542)	1:92:A:TRP:H	1:6:A:ILE:HD13	7	6.24
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	8	6.24
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	8	6.24
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	7	6.23
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	7	6.23
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	7	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	10	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	10	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	10	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	10	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	10	6.23
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	10	6.23
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	3	6.23
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	4	6.22
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	4	6.22
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	4	6.22
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	6	6.21
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	6	6.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	6	6.21
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	6	6.21
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	6	6.21
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	6	6.21
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	6	6.21
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	6	6.21
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	1	6.2
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	1	6.2
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	9	6.19
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	9	6.19
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	9	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	7	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	7	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	7	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	7	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	7	6.19
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	7	6.19
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD11	8	6.19
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD12	8	6.19
(2,628)	1:68:A:TYR:H	1:150:A:ILE:HD13	8	6.19
(2,270)	1:92:A:TRP:H	1:82:A:ALA:H	9	6.19
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	10	6.18
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	10	6.18
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	10	6.18
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	5	6.18
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	5	6.18
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	9	6.17
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	9	6.17
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	9	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG11	8	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG12	8	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG13	8	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG21	8	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG22	8	6.17
(2,981)	1:67:A:TYR:H	1:94:A:VAL:HG23	8	6.17
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	1	6.16
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	1	6.16
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	1	6.16
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	1	6.16
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	1	6.16
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	1	6.16
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	6	6.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	6	6.16
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	6	6.16
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	5	6.15
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	5	6.15
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	5	6.15
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	1	6.15
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	1	6.15
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	5	6.15
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB1	8	6.14
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB2	8	6.14
(2,834)	1:110:A:PHE:H	1:21:A:ALA:HB3	8	6.14
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	3	6.13
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	3	6.13
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	3	6.13
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	3	6.13
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	3	6.13
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	3	6.13
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	8	6.12
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	8	6.12
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	8	6.12
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	4	6.12
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	4	6.12
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	4	6.12
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	5	6.12
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	5	6.12
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	5	6.12
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	8	6.12
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	5	6.1
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	5	6.1
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	2	6.08
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	2	6.08
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	6	6.08
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	7	6.08
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	6	6.08
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	6	6.07
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	6	6.07
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	6	6.07
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	7	6.07
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	7	6.07
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	7	6.07
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	7	6.07
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	7	6.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	7	6.07
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	1	6.07
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	1	6.07
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	1	6.07
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	10	6.07
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	10	6.07
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	2	6.06
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	2	6.06
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	5	6.05
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	5	6.05
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	5	6.05
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	6	6.04
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	6	6.04
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	6	6.04
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	6	6.04
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	6	6.04
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	5	6.03
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	5	6.03
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	5	6.03
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	5	6.03
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	5	6.03
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	5	6.03
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	8	6.03
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	8	6.03
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	8	6.03
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	3	6.03
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	3	6.03
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	3	6.03
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	1	6.02
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	1	6.02
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	1	6.02
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	10	6.02
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	10	6.02
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	10	6.02
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	3	6.01
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	3	6.01
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	3	6.01
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	2	6.01
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	2	6.01
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	2	6.01
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	6	6.01
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	6	6.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	3	6.0
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	3	6.0
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	3	6.0
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	4	6.0
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	4	6.0
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	4	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	2	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	2	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	2	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	2	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	2	6.0
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	2	6.0
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	6	6.0
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	6	6.0
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	6	6.0
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	3	5.99
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	3	5.99
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	3	5.99
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	1	5.99
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	6	5.99
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	2	5.99
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	5	5.98
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	8	5.98
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	5	5.98
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	10	5.98
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	8	5.98
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	10	5.98
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	3	5.98
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	7	5.97
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	7	5.97
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG11	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG12	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG13	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG21	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG22	7	5.97
(2,1002)	1:91:A:PHE:H	1:151:A:VAL:HG23	7	5.97
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	9	5.97
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	9	5.97
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	9	5.97
(2,513)	1:14:A:LEU:H	1:112:A:TYR:H	9	5.97
(2,341)	1:112:A:TYR:H	1:14:A:LEU:H	9	5.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	9	5.97
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	9	5.97
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	9	5.97
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	9	5.96
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	9	5.96
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	9	5.96
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	9	5.96
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	9	5.96
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	9	5.96
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	3	5.95
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	3	5.95
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	3	5.95
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	7	5.95
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	7	5.95
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	7	5.95
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	1	5.95
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	4	5.95
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	9	5.94
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	9	5.94
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	9	5.94
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	3	5.94
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG21	10	5.93
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG22	10	5.93
(2,1164)	1:92:A:TRP:H	1:128:A:ILE:HG23	10	5.93
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	5	5.93
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	5	5.93
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	5	5.93
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	8	5.92
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	8	5.92
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	8	5.92
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	4	5.92
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	4	5.92
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	4	5.92
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	2	5.92
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	2	5.92
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	2	5.92
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	6	5.92
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	6	5.91
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	6	5.91
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	6	5.91
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	6	5.91
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	6	5.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	6	5.91
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	7	5.91
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	7	5.91
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	7	5.91
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	10	5.91
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD11	1	5.89
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD12	1	5.89
(2,592)	1:25:A:ALA:H	1:130:A:ILE:HD13	1	5.89
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	2	5.88
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	2	5.88
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	2	5.88
(2,502)	1:111:A:ALA:H	1:94:A:VAL:H	8	5.88
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	6	5.88
(2,279)	1:94:A:VAL:H	1:111:A:ALA:H	8	5.88
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	6	5.88
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	2	5.87
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	2	5.87
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	2	5.87
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	9	5.87
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	8	5.86
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	8	5.86
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	8	5.86
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	8	5.86
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	9	5.85
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	9	5.85
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	9	5.85
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	8	5.85
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	8	5.85
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	1	5.84
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	1	5.84
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	1	5.84
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	6	5.84
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	6	5.84
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	6	5.84
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	10	5.83
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	10	5.83
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	10	5.83
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	4	5.83
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	4	5.83
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	4	5.83
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	6	5.83
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	1	5.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	3	5.82
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	3	5.82
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	3	5.82
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	2	5.82
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	10	5.82
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	10	5.82
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	10	5.82
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	4	5.81
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	4	5.81
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	4	5.81
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	10	5.81
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	2	5.8
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	2	5.8
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	2	5.8
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	2	5.79
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	2	5.79
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	2	5.79
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	4	5.78
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	4	5.78
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	4	5.78
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	4	5.78
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	4	5.78
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	4	5.78
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	3	5.78
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	3	5.78
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	3	5.78
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	9	5.77
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	9	5.77
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	9	5.77
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	9	5.77
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	8	5.77
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	8	5.77
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	8	5.75
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	8	5.75
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	8	5.75
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	5	5.75
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	1	5.74
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	1	5.74
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	6	5.74
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	2	5.74
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	1	5.74
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	1	5.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	1	5.73
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	1	5.73
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	1	5.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	6	5.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	6	5.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	6	5.73
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	3	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	8	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	8	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	8	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	8	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	8	5.72
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	8	5.72
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	5	5.72
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	5	5.72
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	5	5.72
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	2	5.72
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	1	5.71
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	1	5.71
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	1	5.71
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	10	5.71
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	10	5.71
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	10	5.71
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	6	5.71
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	6	5.71
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	6	5.71
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	6	5.7
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	6	5.7
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	6	5.7
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	7	5.7
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	7	5.7
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	7	5.7
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	1	5.7
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	7	5.7
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	7	5.7
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	7	5.7
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	7	5.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	7	5.69
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	7	5.69
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	7	5.69
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	7	5.69
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	7	5.69
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	5	5.69
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	5	5.69
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	1	5.69
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	5	5.69
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	2	5.69
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	2	5.69
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	8	5.68
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	8	5.68
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	8	5.68
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	3	5.68
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	3	5.68
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	5	5.67
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	5	5.67
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	5	5.67
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	9	5.67
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	9	5.67
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	9	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD11	3	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD12	3	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD13	3	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD21	3	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD22	3	5.67
(2,968)	1:6:A:ILE:H	1:14:A:LEU:HD23	3	5.67
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	7	5.67
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	7	5.67
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	7	5.67
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	8	5.67
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	8	5.64
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	10	5.63
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	8	5.63
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	7	5.62
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	7	5.62
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	7	5.62
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	4	5.62
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	1	5.62
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG21	2	5.61
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG22	2	5.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1140)	1:143:A:ILE:H	1:89:A:ILE:HG23	2	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	3	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	3	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	3	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	3	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	3	5.61
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	3	5.61
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	4	5.61
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	10	5.61
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	4	5.61
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	4	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	4	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	4	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	4	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	4	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	4	5.6
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	5	5.6
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	5	5.6
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	5	5.6
(2,95)	1:88:A:GLN:H	1:109:A:GLY:H	2	5.6
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	5	5.6
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	10	5.59
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	10	5.59
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	10	5.59
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	10	5.59
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	10	5.59
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	10	5.59
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	1	5.59
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	1	5.59
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	1	5.59
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	1	5.59
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	1	5.59
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	7	5.59
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	2	5.59
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	9	5.59
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	7	5.59
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	2	5.59
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	9	5.58
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	9	5.58
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	9	5.58
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	7	5.58
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	7	5.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	5	5.57
(2,521)	1:28:A:PHE:H	1:92:A:TRP:HE3	10	5.56
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	4	5.56
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	6	5.56
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	9	5.56
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	4	5.56
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	10	5.55
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	10	5.55
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	10	5.55
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	8	5.55
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	8	5.55
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	8	5.55
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	3	5.55
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	4	5.55
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	3	5.55
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	8	5.51
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	8	5.51
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	8	5.51
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	8	5.51
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	8	5.51
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	8	5.51
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	4	5.51
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	4	5.51
(2,504)	1:14:A:LEU:H	1:148:A:GLU:H	9	5.5
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	10	5.49
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	10	5.49
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	10	5.49
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD11	5	5.49
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD12	5	5.49
(2,789)	1:111:A:ALA:H	1:143:A:ILE:HD13	5	5.49
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD11	10	5.49
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD12	10	5.49
(2,779)	1:92:A:TRP:HE3	1:130:A:ILE:HD13	10	5.49
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	7	5.49
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	7	5.49
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	1	5.48
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	1	5.48
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	1	5.48
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	10	5.48
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	10	5.48
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	10	5.48
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	10	5.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	10	5.48
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	10	5.48
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	2	5.48
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	2	5.48
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	2	5.48
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	9	5.48
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	5	5.48
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	9	5.48
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	7	5.48
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	7	5.48
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	2	5.48
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB1	4	5.46
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB2	4	5.46
(2,840)	1:110:A:PHE:H	1:20:A:ALA:HB3	4	5.46
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	1	5.46
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	9	5.46
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	3	5.45
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	3	5.45
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	3	5.45
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	3	5.45
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	3	5.45
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	3	5.45
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	9	5.45
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	9	5.45
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	9	5.45
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	1	5.44
(2,247)	1:90:A:LYS:H	1:84:A:GLN:H	3	5.44
(2,41)	1:84:A:GLN:H	1:90:A:LYS:H	3	5.44
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	3	5.43
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	3	5.43
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	3	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	7	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	7	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	7	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	7	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	7	5.43
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	7	5.43
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	5	5.43
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	5	5.43
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	5	5.43
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	8	5.43
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	6	5.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	6	5.41
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	6	5.41
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	6	5.41
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	6	5.41
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	6	5.41
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	4	5.41
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	9	5.41
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	9	5.41
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	4	5.41
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	9	5.4
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	9	5.4
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	9	5.4
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	2	5.4
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	10	5.4
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	1	5.4
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	1	5.4
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	10	5.4
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	4	5.38
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	7	5.38
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	4	5.38
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	6	5.38
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	7	5.38
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	2	5.37
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	3	5.37
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	2	5.37
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	10	5.35
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	10	5.35
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	10	5.35
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	4	5.34
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	4	5.34
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	4	5.34
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	6	5.34
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	6	5.34
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	6	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	1	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	1	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	1	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	10	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	10	5.34
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	10	5.34
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	7	5.33
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	7	5.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	7	5.33
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	8	5.33
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	8	5.33
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	8	5.33
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	2	5.33
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	2	5.33
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	2	5.32
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	8	5.32
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	6	5.31
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	9	5.29
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	8	5.29
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	10	5.29
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	9	5.29
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	5	5.28
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	5	5.28
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	5	5.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	9	5.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	9	5.28
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	9	5.28
(2,497)	1:28:A:PHE:H	1:81:A:ASP:H	3	5.28
(2,257)	1:81:A:ASP:H	1:28:A:PHE:H	3	5.28
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	4	5.27
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	4	5.27
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	4	5.27
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	4	5.27
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	4	5.27
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	4	5.27
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	7	5.27
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	8	5.27
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	8	5.27
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	5	5.27
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	2	5.26
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	4	5.26
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	1	5.26
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	2	5.25
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	2	5.25
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	2	5.25
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	5	5.25
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	5	5.25
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	5	5.25
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	9	5.25
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	9	5.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	10	5.24
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	10	5.24
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	10	5.24
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	5	5.24
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	5	5.24
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	5	5.24
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	8	5.24
(2,172)	1:79:A:ILE:H	1:71:A:ARG:H	4	5.24
(2,163)	1:71:A:ARG:H	1:79:A:ILE:H	4	5.24
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	7	5.24
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	8	5.24
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	1	5.23
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	1	5.23
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	1	5.23
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	9	5.23
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	9	5.23
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	9	5.23
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	8	5.23
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	10	5.23
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	1	5.23
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	6	5.23
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	8	5.23
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	10	5.23
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	7	5.23
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	6	5.23
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	8	5.23
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	1	5.23
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	6	5.23
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	10	5.23
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	8	5.22
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	8	5.22
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	8	5.22
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	10	5.22
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	10	5.22
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	10	5.22
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	5	5.22
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	8	5.22
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	2	5.21
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	2	5.21
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	2	5.21
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	6	5.21
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	4	5.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	9	5.21
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	6	5.21
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	6	5.2
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	6	5.2
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	6	5.2
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	6	5.2
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	6	5.2
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	6	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	4	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	4	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	4	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	4	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	4	5.2
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	4	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG11	7	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG12	7	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG13	7	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG21	7	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG22	7	5.2
(2,1005)	1:170:A:ALA:H	1:153:A:VAL:HG23	7	5.2
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	8	5.2
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	8	5.2
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	8	5.2
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	1	5.2
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	10	5.2
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	8	5.19
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	8	5.19
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	8	5.19
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	6	5.19
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	6	5.19
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	6	5.19
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	1	5.19
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	5	5.19
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	4	5.19
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	5	5.19
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	6	5.18
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	6	5.18
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	6	5.18
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	10	5.18
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	10	5.18
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	10	5.18
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	4	5.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	4	5.18
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	4	5.18
(2,508)	1:28:A:PHE:H	1:148:A:GLU:H	9	5.18
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	2	5.18
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	3	5.18
(2,273)	1:81:A:ASP:H	1:15:A:PHE:H	9	5.18
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	3	5.18
(2,27)	1:15:A:PHE:H	1:81:A:ASP:H	9	5.18
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	9	5.17
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	9	5.17
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	9	5.17
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	2	5.17
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	2	5.17
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	2	5.17
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	6	5.17
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	6	5.17
(2,192)	1:76:A:GLN:H	1:66:A:THR:H	3	5.17
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	5	5.16
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	5	5.16
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	5	5.16
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	3	5.16
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	2	5.16
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	3	5.16
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	2	5.16
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	3	5.16
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	10	5.16
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	10	5.15
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	10	5.15
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	10	5.15
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	5	5.15
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	5	5.15
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	3	5.14
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	3	5.14
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	3	5.14
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	10	5.14
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	10	5.14
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	3	5.13
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	3	5.13
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	3	5.13
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	7	5.13
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	6	5.12
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	6	5.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	6	5.12
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	3	5.12
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	3	5.12
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	3	5.12
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	10	5.12
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	10	5.12
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	10	5.12
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	7	5.12
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	7	5.12
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	7	5.12
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	6	5.12
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	1	5.11
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	1	5.11
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	1	5.11
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	1	5.11
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	1	5.11
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	1	5.11
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	4	5.11
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	4	5.11
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	4	5.11
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	8	5.11
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	8	5.11
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	8	5.11
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	5	5.11
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	6	5.1
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	7	5.08
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	7	5.08
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	7	5.08
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	3	5.08
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	3	5.08
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	3	5.08
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	1	5.08
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	1	5.08
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	8	5.07
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	8	5.07
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	8	5.07
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	8	5.07
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	8	5.07
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	8	5.07
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	4	5.07
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	4	5.07
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	4	5.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG21	2	5.06
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG22	2	5.06
(2,1127)	1:144:A:ASP:H	1:89:A:ILE:HG23	2	5.06
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	4	5.06
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	4	5.06
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	4	5.06
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	7	5.06
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	3	5.05
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	3	5.05
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	3	5.05
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	7	5.05
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	7	5.05
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	7	5.05
(2,486)	1:14:A:LEU:H	1:89:A:ILE:H	5	5.05
(2,244)	1:89:A:ILE:H	1:14:A:LEU:H	5	5.05
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	9	5.04
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	9	5.04
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	9	5.04
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	6	5.04
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	6	5.04
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	6	5.04
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	6	5.04
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	6	5.04
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	6	5.04
(2,500)	1:28:A:PHE:H	1:91:A:PHE:H	9	5.04
(2,252)	1:91:A:PHE:H	1:28:A:PHE:H	9	5.04
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	5	5.03
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	5	5.03
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	5	5.03
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	10	5.03
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	10	5.03
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	10	5.03
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	6	5.03
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	10	5.02
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	10	5.02
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	10	5.02
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	6	5.02
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	6	5.02
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	6	5.02
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	4	5.01
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	4	5.01
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	4	5.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	1	5.01
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	1	5.01
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	1	5.01
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	6	5.01
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	6	5.01
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	6	5.01
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	10	5.01
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	10	5.01
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	10	5.01
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	6	5.0
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	6	5.0
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	6	5.0
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	10	5.0
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	2	4.99
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	4	4.99
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	4	4.99
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	8	4.99
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	5	4.98
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	5	4.98
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	5	4.98
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	8	4.98
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	8	4.98
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	8	4.98
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	6	4.98
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	6	4.98
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	6	4.98
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	10	4.98
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	9	4.96
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	9	4.96
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	9	4.96
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	9	4.96
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	3	4.96
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	9	4.96
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	3	4.95
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	3	4.95
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	3	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	1	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	1	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	1	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	7	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	7	4.95
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	7	4.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	8	4.94
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	3	4.93
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	8	4.92
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	8	4.92
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	8	4.92
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	8	4.92
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	8	4.92
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	8	4.92
(2,491)	1:28:A:PHE:H	1:90:A:LYS:H	3	4.92
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	5	4.91
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	5	4.91
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	5	4.91
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	10	4.91
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	7	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	7	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	7	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	8	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	8	4.9
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	8	4.9
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	6	4.9
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	6	4.9
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	6	4.9
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	7	4.9
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	4	4.9
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	5	4.89
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	5	4.89
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	5	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	2	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	2	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	2	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	9	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	9	4.89
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	9	4.89
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	8	4.89
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	7	4.89
(2,31)	1:84:A:GLN:H	1:17:A:SER:H	4	4.89
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	7	4.88
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	7	4.88
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	7	4.88
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	4	4.88
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	4	4.88
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	4	4.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	4	4.88
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	4	4.88
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	4	4.88
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	4	4.88
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	4	4.88
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	4	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	3	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	3	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	3	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	7	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	7	4.88
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	7	4.88
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	6	4.88
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	6	4.88
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	6	4.88
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	5	4.88
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	8	4.88
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	8	4.88
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	2	4.87
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	2	4.87
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	2	4.87
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG21	7	4.86
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG22	7	4.86
(2,1135)	1:129:A:SER:H	1:89:A:ILE:HG23	7	4.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	8	4.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	8	4.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	8	4.86
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD11	6	4.86
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD12	6	4.86
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD13	6	4.86
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	1	4.86
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	1	4.86
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	1	4.86
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	7	4.85
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	7	4.85
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	7	4.85
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	8	4.85
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	8	4.85
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	8	4.85
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	1	4.84
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	1	4.84
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	1	4.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	9	4.84
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	9	4.84
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	9	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	7	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	7	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	7	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	7	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	7	4.84
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	7	4.84
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	8	4.84
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	8	4.84
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	8	4.84
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	10	4.84
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	10	4.84
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	10	4.84
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	10	4.83
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	10	4.83
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	10	4.83
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	10	4.83
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	10	4.83
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	10	4.83
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	3	4.83
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	3	4.83
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	3	4.83
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	5	4.82
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	5	4.82
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	5	4.82
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	9	4.82
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	9	4.82
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	9	4.82
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD11	8	4.82
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD12	8	4.82
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD13	8	4.82
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB1	4	4.81
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB2	4	4.81
(2,865)	1:73:A:ASP:H	1:20:A:ALA:HB3	4	4.81
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	4	4.81
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	4	4.81
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	4	4.81
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	7	4.81
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	7	4.81
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	7	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	7	4.81
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	4	4.8
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	4	4.8
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	4	4.8
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	10	4.8
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	10	4.8
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	10	4.8
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	10	4.8
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	10	4.8
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	10	4.8
(2,478)	1:92:A:TRP:HE1	1:142:A:GLU:H	10	4.8
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	2	4.79
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	2	4.79
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	2	4.79
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	9	4.79
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	9	4.79
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	9	4.79
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	2	4.79
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	2	4.79
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	2	4.79
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	6	4.79
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	6	4.79
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	6	4.79
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	3	4.79
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB1	2	4.78
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB2	2	4.78
(2,851)	1:28:A:PHE:H	1:106:A:ALA:HB3	2	4.78
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	9	4.78
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	9	4.78
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	9	4.78
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	1	4.77
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	1	4.77
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	1	4.77
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	1	4.77
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	1	4.77
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	1	4.77
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	1	4.77
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	1	4.77
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	1	4.77
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	6	4.77
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	6	4.77
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	6	4.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	10	4.77
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	10	4.77
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG21	7	4.76
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG22	7	4.76
(2,1163)	1:68:A:TYR:H	1:150:A:ILE:HG23	7	4.76
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	1	4.76
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	1	4.76
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	1	4.76
(2,472)	1:92:A:TRP:HE1	1:106:A:ALA:H	7	4.76
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	6	4.76
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG21	2	4.75
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG22	2	4.75
(2,1067)	1:88:A:GLN:H	1:22:A:THR:HG23	2	4.75
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	4	4.75
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	4	4.75
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	4	4.75
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD11	10	4.75
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD12	10	4.75
(2,606)	1:47:A:GLN:H	1:53:A:ILE:HD13	10	4.75
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	7	4.75
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	1	4.74
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	1	4.74
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	1	4.74
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB1	2	4.74
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB2	2	4.74
(2,839)	1:24:A:SER:H	1:106:A:ALA:HB3	2	4.74
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	1	4.74
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	1	4.74
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	1	4.74
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	2	4.74
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	2	4.74
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	2	4.74
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	7	4.74
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	7	4.74
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	7	4.74
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	8	4.73
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	8	4.73
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	8	4.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	7	4.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	7	4.73
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	7	4.73
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB1	10	4.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB2	10	4.72
(2,811)	1:14:A:LEU:H	1:20:A:ALA:HB3	10	4.72
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	3	4.72
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	6	4.72
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	3	4.72
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	5	4.71
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	5	4.71
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	5	4.71
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	5	4.71
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	5	4.71
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	5	4.71
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD11	3	4.71
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD12	3	4.71
(2,647)	1:73:A:ASP:H	1:150:A:ILE:HD13	3	4.71
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	5	4.71
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	3	4.71
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	3	4.7
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	3	4.7
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	3	4.7
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	4	4.7
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	4	4.7
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	4	4.7
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	3	4.69
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	3	4.69
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	3	4.69
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	10	4.69
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	10	4.69
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	2	4.68
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	2	4.68
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	2	4.68
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	2	4.68
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	2	4.68
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	2	4.68
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	10	4.68
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	10	4.68
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	10	4.68
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD11	8	4.68
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD12	8	4.68
(2,783)	1:27:A:LEU:H	1:143:A:ILE:HD13	8	4.68
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	2	4.68
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	2	4.68
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	2	4.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	2	4.68
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	3	4.68
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	9	4.68
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	8	4.68
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	8	4.68
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	4	4.67
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	4	4.67
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	4	4.67
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	4	4.67
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	10	4.67
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	10	4.67
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	10	4.67
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	8	4.67
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	8	4.67
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	8	4.67
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	2	4.67
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	2	4.67
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	2	4.67
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	1	4.67
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	4	4.67
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	7	4.66
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	7	4.66
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	7	4.66
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	7	4.66
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	7	4.66
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	7	4.66
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	8	4.65
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	8	4.65
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	8	4.65
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	10	4.65
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	6	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	8	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	8	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	8	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	8	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	8	4.64
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	8	4.64
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	1	4.64
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	1	4.64
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	1	4.64
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	7	4.63
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	7	4.63
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	7	4.63
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	6	4.62
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	6	4.62
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	6	4.62
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	6	4.62
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	6	4.62
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	6	4.62
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	9	4.62
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	9	4.62
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	9	4.62
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	5	4.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	5	4.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	5	4.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	5	4.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	5	4.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	5	4.61
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	6	4.61
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	6	4.61
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	6	4.61
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	6	4.61
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	6	4.61
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	6	4.61
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	5	4.61
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	3	4.59
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	3	4.59
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	3	4.59
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	3	4.59
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	3	4.59
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	3	4.59
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	10	4.59
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	10	4.59
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	10	4.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	10	4.59
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	10	4.59
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	10	4.59
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	4	4.59
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	4	4.59
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	4	4.59
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	5	4.59
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	5	4.59
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	5	4.59
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	7	4.59
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	7	4.59
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	7	4.59
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	1	4.59
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	2	4.59
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	5	4.59
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	4	4.59
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	7	4.59
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	6	4.58
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	6	4.58
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	6	4.58
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	7	4.58
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	7	4.58
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	7	4.58
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	9	4.58
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	9	4.58
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	9	4.58
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	9	4.58
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	9	4.58
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	9	4.58
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	3	4.58
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	3	4.58
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	3	4.58
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	5	4.58
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	6	4.58
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	6	4.58
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	8	4.58
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	6	4.57
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	6	4.57
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	6	4.57
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	6	4.57
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	6	4.57
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	6	4.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	6	4.57
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	7	4.56
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	2	4.56
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	7	4.56
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	3	4.55
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	3	4.55
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	3	4.55
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	3	4.55
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	3	4.55
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	3	4.55
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	3	4.55
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	3	4.55
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	3	4.55
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD11	5	4.53
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD12	5	4.53
(2,785)	1:15:A:PHE:H	1:18:A:ILE:HD13	5	4.53
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	1	4.53
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	10	4.53
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	4	4.52
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	2	4.52
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	5	4.52
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	4	4.52
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	10	4.51
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	10	4.51
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	10	4.51
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	10	4.51
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	10	4.51
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	10	4.51
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	6	4.5
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	6	4.5
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	3	4.5
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	8	4.49
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	8	4.49
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	8	4.49
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	8	4.49
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	8	4.49
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	8	4.49
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	1	4.49
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	1	4.49
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	1	4.49
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	3	4.49
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	3	4.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	7	4.49
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	7	4.49
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD11	9	4.48
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD12	9	4.48
(2,704)	1:92:A:TRP:H	1:18:A:ILE:HD13	9	4.48
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	8	4.48
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	3	4.48
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	8	4.48
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	3	4.47
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	3	4.47
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	3	4.47
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	3	4.47
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	1	4.47
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	8	4.47
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	3	4.46
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	3	4.46
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	3	4.46
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	9	4.46
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	1	4.46
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	10	4.45
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	10	4.45
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	10	4.45
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	5	4.45
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	5	4.45
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	5	4.45
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	10	4.45
(2,230)	1:82:A:ALA:H	1:73:A:ASP:H	9	4.43
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	9	4.42
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	9	4.42
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	9	4.42
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	9	4.42
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	9	4.42
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	9	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	9	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	9	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	9	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	9	4.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	9	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	9	4.42
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB1	4	4.42
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB2	4	4.42
(2,849)	1:28:A:PHE:H	1:20:A:ALA:HB3	4	4.42
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	5	4.42
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	5	4.42
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	5	4.42
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB1	4	4.42
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB2	4	4.42
(2,815)	1:28:A:PHE:H	1:20:A:ALA:HB3	4	4.42
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	4	4.42
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	4	4.42
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	4	4.42
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	5	4.42
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	4	4.42
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	2	4.42
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	6	4.42
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	4	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	4	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	4	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	4	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	4	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	4	4.41
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	2	4.41
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	2	4.41
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	2	4.41
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	3	4.41
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	3	4.41
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	3	4.41
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	7	4.41
(2,262)	1:92:A:TRP:H	1:79:A:ILE:H	8	4.41
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	3	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	3	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	3	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	3	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	3	4.4
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	3	4.4
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	5	4.4
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	5	4.4
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	5	4.4
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	10	4.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	10	4.4
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	10	4.4
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	3	4.4
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	3	4.4
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	3	4.4
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	8	4.4
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	10	4.4
(2,36)	1:16:A:GLN:H	1:81:A:ASP:H	3	4.4
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	9	4.39
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	9	4.39
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	9	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	5	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	5	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	5	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	5	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	5	4.39
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	5	4.39
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	4	4.39
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	4	4.39
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	4	4.39
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	4	4.39
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	4	4.39
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	4	4.39
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	10	4.39
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	10	4.39
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG11	7	4.38
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG12	7	4.38
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG13	7	4.38
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG21	7	4.38
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG22	7	4.38
(2,1010)	1:140:A:ASN:H	1:151:A:VAL:HG23	7	4.38
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	1	4.38
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	1	4.38
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	1	4.38
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	4	4.38
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	2	4.37
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	2	4.37
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	2	4.37
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	7	4.37
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	4	4.37
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	7	4.37
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	1	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	1	4.36
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	1	4.36
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	1	4.36
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	1	4.36
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	1	4.36
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	9	4.36
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	9	4.36
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	9	4.36
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	9	4.36
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	4	4.36
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	1	4.36
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	1	4.36
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	5	4.35
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	5	4.35
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	5	4.35
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	4	4.35
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	1	4.34
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	1	4.34
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	1	4.34
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	6	4.34
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	6	4.34
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	6	4.34
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	9	4.34
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	9	4.34
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	9	4.34
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	7	4.34
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	7	4.34
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	7	4.34
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	9	4.34
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	9	4.34
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	9	4.34
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	6	4.34
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	2	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	2	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	2	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	2	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	2	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	2	4.33
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	7	4.33
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	5	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	5	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	5	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	5	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	5	4.32
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	5	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	8	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	8	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	8	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	8	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	8	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	8	4.32
(2,538)	1:20:A:ALA:H	1:111:A:ALA:H	6	4.32
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	2	4.32
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	2	4.32
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	3	4.32
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	2	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	10	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	10	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	10	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	10	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	10	4.31
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	10	4.31
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	8	4.31
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	8	4.31
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	8	4.31
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	4	4.31
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	4	4.31
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	4	4.31
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	3	4.3
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	3	4.3
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	3	4.3
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	2	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG11	7	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG12	7	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG13	7	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG21	7	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG22	7	4.29
(2,975)	1:35:A:GLY:H	1:94:A:VAL:HG23	7	4.29
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD11	4	4.29
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD12	4	4.29
(2,584)	1:101:A:ASN:H	1:6:A:ILE:HD13	4	4.29
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	1	4.29
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	7	4.28
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	7	4.28
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	7	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	1	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	1	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	1	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	1	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	1	4.28
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	1	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	9	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	9	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	9	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	9	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	9	4.28
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	9	4.28
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	8	4.28
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	8	4.28
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	8	4.28
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	4	4.27
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	4	4.27
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	4	4.27
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	1	4.27
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	1	4.27
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	1	4.27
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	8	4.27
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	9	4.26
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	9	4.26
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	9	4.26
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	9	4.26
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	9	4.26
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	9	4.26
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	2	4.26
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	2	4.26
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	2	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	2	4.26
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	2	4.26
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	2	4.26
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	10	4.26
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	10	4.26
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	10	4.26
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD11	8	4.26
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD12	8	4.26
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD13	8	4.26
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	5	4.26
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	5	4.26
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	5	4.26
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	2	4.26
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	7	4.25
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	7	4.25
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	7	4.25
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	7	4.25
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	7	4.25
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	7	4.25
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	5	4.24
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	5	4.24
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	5	4.24
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	5	4.24
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	5	4.24
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	5	4.24
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	6	4.24
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	6	4.24
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	6	4.24
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	1	4.24
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	1	4.24
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	1	4.24
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	5	4.24
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	5	4.24
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	5	4.24
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	4	4.23
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	4	4.23
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	4	4.23
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	7	4.23
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	7	4.23
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	7	4.23
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	9	4.23
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	9	4.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	9	4.23
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	4	4.23
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	5	4.23
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	5	4.23
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	4	4.23
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	7	4.22
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	7	4.22
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	7	4.22
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	7	4.22
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	7	4.22
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	7	4.22
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	4	4.22
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	4	4.22
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	4	4.22
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	10	4.22
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	2	4.22
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	2	4.21
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	2	4.21
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	2	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	1	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	1	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	1	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	1	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	1	4.21
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	1	4.21
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	1	4.21
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	1	4.21
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	1	4.21
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	6	4.21
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	6	4.21
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	6	4.21
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	9	4.21
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	4	4.21
(2,528)	1:20:A:ALA:H	1:91:A:PHE:H	8	4.21
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	6	4.21
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	9	4.21
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	9	4.21
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	1	4.21
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	9	4.2
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	9	4.2
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	9	4.2
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	9	4.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	9	4.2
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	9	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	7	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	7	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	7	4.2
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	10	4.2
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	10	4.2
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	10	4.2
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	3	4.19
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	3	4.19
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	3	4.19
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	7	4.19
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	7	4.19
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	7	4.19
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	6	4.19
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	8	4.19
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	9	4.19
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	7	4.18
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	7	4.18
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	7	4.18
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD11	6	4.18
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD12	6	4.18
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD13	6	4.18
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	3	4.18
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	3	4.18
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	4	4.17
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	4	4.17
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	4	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	1	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	1	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	1	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	1	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	1	4.17
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	1	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	5	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	5	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	5	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	5	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	5	4.17
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	5	4.17
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD11	10	4.17
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD12	10	4.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,603)	1:46:A:GLU:H	1:53:A:ILE:HD13	10	4.17
(2,237)	1:83:A:TYR:H	1:16:A:GLN:H	3	4.17
(2,32)	1:16:A:GLN:H	1:83:A:TYR:H	3	4.17
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	5	4.16
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	5	4.16
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	5	4.16
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	5	4.16
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	5	4.16
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	5	4.16
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	3	4.16
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	4	4.16
(2,9)	1:6:A:ILE:H	1:12:A:LYS:H	5	4.16
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	5	4.15
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	5	4.15
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	5	4.15
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	6	4.15
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	6	4.15
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	6	4.15
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	3	4.15
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	3	4.15
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	3	4.15
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	8	4.15
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	8	4.15
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	8	4.15
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD11	8	4.15
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD12	8	4.15
(2,556)	1:12:A:LYS:H	1:143:A:ILE:HD13	8	4.15
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	7	4.15
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	9	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	9	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	9	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	9	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	9	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	9	4.14
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	6	4.14
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	6	4.14
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	6	4.14
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	8	4.14
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	8	4.14
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	8	4.14
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	5	4.13
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	5	4.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	5	4.13
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	5	4.13
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	5	4.13
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	5	4.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	4	4.12
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	4	4.12
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	4	4.12
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	4	4.12
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	4	4.12
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	4	4.12
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	4	4.12
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	4	4.12
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	4	4.12
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	10	4.12
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	10	4.12
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	10	4.12
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	1	4.12
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	10	4.11
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	10	4.11
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	10	4.11
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	1	4.11
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	5	4.11
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	2	4.1
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	2	4.1
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	2	4.1
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	2	4.1
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	2	4.1
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	2	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	6	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	6	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	6	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	10	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	10	4.1
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	10	4.1
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	4	4.1
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	4	4.1
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	4	4.1
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB1	2	4.1
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB2	2	4.1
(2,848)	1:27:A:LEU:H	1:106:A:ALA:HB3	2	4.1
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	3	4.1
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	3	4.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	3	4.1
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	1	4.09
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	1	4.09
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	1	4.09
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	10	4.09
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	10	4.09
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	10	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	5	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	5	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	5	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	5	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	5	4.09
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	5	4.09
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	8	4.09
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	8	4.09
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	8	4.09
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	7	4.09
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	10	4.09
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	2	4.08
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	2	4.08
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	2	4.08
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	7	4.07
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	7	4.07
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	7	4.07
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	7	4.07
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	7	4.07
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	7	4.07
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	8	4.07
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	8	4.07
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	8	4.07
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	3	4.07
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	3	4.07
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	3	4.07
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	1	4.07
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	1	4.07
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	1	4.07
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	9	4.06
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	9	4.06
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	9	4.06
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	9	4.06
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	9	4.06
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	9	4.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	10	4.06
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	10	4.06
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	10	4.06
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	2	4.06
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	2	4.06
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	2	4.06
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	6	4.06
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	6	4.06
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	6	4.06
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	3	4.05
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	3	4.05
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	3	4.05
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	1	4.05
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	1	4.05
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	1	4.05
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	8	4.04
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	8	4.04
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	8	4.04
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	3	4.04
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	3	4.04
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	3	4.04
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	4	4.04
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	4	4.04
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	4	4.04
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	1	4.04
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	1	4.04
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	1	4.04
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	3	4.04
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	3	4.04
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	3	4.04
(2,139)	1:68:A:TYR:H	1:117:A:GLU:H	2	4.04
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD11	1	4.03
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD12	1	4.03
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD13	1	4.03
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD21	1	4.03
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD22	1	4.03
(2,954)	1:98:A:LYS:H	1:146:A:LEU:HD23	1	4.03
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB1	10	4.03
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB2	10	4.03
(2,854)	1:111:A:ALA:H	1:106:A:ALA:HB3	10	4.03
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	3	4.03
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	3	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	3	4.03
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	5	4.03
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	9	4.03
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	9	4.03
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	3	4.02
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	3	4.02
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	3	4.02
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG11	2	4.01
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG12	2	4.01
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG13	2	4.01
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG21	2	4.01
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG22	2	4.01
(2,1007)	1:99:A:ASN:H	1:153:A:VAL:HG23	2	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	9	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	9	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	9	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	9	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	9	4.01
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	9	4.01
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	4	4.01
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	4	4.01
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	4	4.01
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	10	4.01
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	10	4.01
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	10	4.01
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	8	4.01
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	8	4.01
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	8	4.01
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	3	4.01
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	4	4.0
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	4	4.0
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	4	4.0
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	2	4.0
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	2	4.0
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	2	4.0
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD11	6	4.0
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD12	6	4.0
(2,649)	1:79:A:ILE:H	1:150:A:ILE:HD13	6	4.0
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	3	3.99
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	3	3.99
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	3	3.99
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	3	3.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	3	3.99
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	3	3.99
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	1	3.99
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	4	3.99
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	1	3.98
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	1	3.98
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	1	3.98
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB1	7	3.98
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB2	7	3.98
(2,899)	1:90:A:LYS:H	1:106:A:ALA:HB3	7	3.98
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	6	3.98
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	6	3.98
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	6	3.98
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	5	3.98
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	5	3.98
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	5	3.98
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	1	3.98
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	8	3.98
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	1	3.98
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	2	3.98
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	1	3.97
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	1	3.97
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	1	3.97
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	3	3.97
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	3	3.97
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	1	3.96
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	1	3.96
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	1	3.96
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	1	3.96
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	1	3.96
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	1	3.96
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	2	3.96
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	2	3.96
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	2	3.96
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	5	3.96
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	2	3.96
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	5	3.96
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	3	3.94
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	3	3.94
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	3	3.94
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	2	3.94
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	2	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	2	3.94
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	1	3.94
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	7	3.94
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	7	3.94
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	1	3.94
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	9	3.93
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	9	3.93
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	9	3.93
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	4	3.92
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	4	3.92
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	4	3.92
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	4	3.92
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	4	3.92
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	4	3.92
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	4	3.92
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	4	3.92
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	4	3.92
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	5	3.92
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	5	3.92
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	5	3.92
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	8	3.92
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	8	3.92
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	8	3.92
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	9	3.92
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	5	3.92
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	10	3.91
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	10	3.91
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	10	3.91
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	10	3.91
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	10	3.91
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	10	3.91
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD11	6	3.91
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD12	6	3.91
(2,657)	1:77:A:LYS:H	1:150:A:ILE:HD13	6	3.91
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	9	3.91
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	9	3.91
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	9	3.91
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	2	3.91
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	2	3.91
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	2	3.91
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	7	3.91
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	5	3.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	6	3.9
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	6	3.9
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	6	3.9
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	10	3.9
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	10	3.9
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	10	3.9
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	9	3.9
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	9	3.9
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	9	3.9
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	1	3.9
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	10	3.9
(2,51)	1:18:A:ILE:H	1:109:A:GLY:H	9	3.9
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	4	3.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	4	3.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	4	3.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	4	3.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	4	3.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	4	3.89
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	7	3.89
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	7	3.89
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	7	3.89
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	1	3.89
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	1	3.89
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	1	3.89
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	8	3.89
(2,533)	1:109:A:GLY:H	1:17:A:SER:H	2	3.88
(2,49)	1:17:A:SER:H	1:109:A:GLY:H	2	3.88
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	7	3.87
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	7	3.87
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	7	3.87
(2,385)	1:136:A:GLY:H	1:90:A:LYS:H	7	3.87
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	6	3.87
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	2	3.87
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	9	3.87
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG21	6	3.86
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG22	6	3.86
(2,1139)	1:107:A:GLN:H	1:89:A:ILE:HG23	6	3.86
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	3	3.86
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	3	3.86
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	3	3.86
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	2	3.86
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	2	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	2	3.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	9	3.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	9	3.86
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	9	3.86
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	4	3.86
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	4	3.86
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	4	3.86
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.86
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.86
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	10	3.86
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	10	3.86
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	1	3.85
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	1	3.85
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	1	3.85
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	10	3.85
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	10	3.85
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	10	3.85
(2,154)	1:69:A:GLY:H	1:79:A:ILE:H	9	3.85
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	8	3.84
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	8	3.84
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	8	3.84
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	5	3.84
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	5	3.84
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	5	3.84
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	5	3.84
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	7	3.83
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	7	3.83
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	7	3.83
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	7	3.83
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	7	3.83
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	7	3.83
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB1	2	3.83
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB2	2	3.83
(2,812)	1:14:A:LEU:H	1:74:A:ALA:HB3	2	3.83
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	4	3.83
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	4	3.83
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	4	3.83
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	2	3.82
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	2	3.82
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	2	3.82
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	2	3.82
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	2	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	2	3.82
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	7	3.81
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	7	3.81
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	7	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	7	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	7	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	7	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	9	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	9	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	9	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	3	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	3	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	3	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	3	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	3	3.81
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	3	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	6	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	8	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	8	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	8	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	8	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	8	3.81
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	8	3.81
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	7	3.81
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	7	3.81
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	7	3.81
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	9	3.81
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	3	3.8
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	3	3.8
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	3	3.8
(2,480)	1:14:A:LEU:H	1:75:A:GLY:H	2	3.8
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	10	3.79
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	10	3.79
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	10	3.79
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	2	3.78
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	2	3.78
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	2	3.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	8	3.78
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	8	3.78
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	8	3.78
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	5	3.78
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	3	3.78
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	8	3.78
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	3	3.78
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	8	3.78
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	3	3.78
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	8	3.78
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	3	3.78
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	8	3.78
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	3	3.78
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	9	3.77
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	9	3.77
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	9	3.77
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	8	3.77
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	8	3.77
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	8	3.77
(2,168)	1:79:A:ILE:H	1:72:A:GLY:H	4	3.77
(2,166)	1:72:A:GLY:H	1:79:A:ILE:H	4	3.77
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	7	3.77
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	9	3.76
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	4	3.76
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	6	3.75
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	6	3.75
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	6	3.75
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	2	3.75
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	2	3.75
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	2	3.75
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	2	3.75
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	2	3.75
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	2	3.75
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD11	5	3.75
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD12	5	3.75
(2,642)	1:73:A:ASP:H	1:89:A:ILE:HD13	5	3.75
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	4	3.75
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	1	3.74
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	1	3.74
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	1	3.74
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	1	3.74
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	1	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	1	3.74
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	7	3.74
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	7	3.74
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	7	3.74
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	5	3.74
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	5	3.74
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	5	3.74
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	5	3.74
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	5	3.74
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	5	3.74
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	9	3.74
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	9	3.74
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	9	3.74
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	8	3.73
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	8	3.73
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	8	3.73
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	10	3.73
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	10	3.73
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	10	3.73
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	7	3.73
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	2	3.72
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	2	3.72
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	2	3.72
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	1	3.72
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	1	3.72
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	1	3.72
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	1	3.72
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	1	3.72
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	1	3.72
(2,295)	1:140:A:ASN:H	1:103:A:LYS:H	2	3.72
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	2	3.71
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	2	3.71
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	2	3.71
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	8	3.71
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	8	3.71
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	8	3.71
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	8	3.71
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	8	3.71
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	8	3.71
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	7	3.7
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	7	3.7
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	7	3.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	1	3.7
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	1	3.7
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	1	3.7
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	3	3.7
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	3	3.7
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	3	3.7
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	1	3.7
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	1	3.7
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	1	3.7
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	1	3.7
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	1	3.7
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	1	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	4	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	4	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	4	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	6	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	6	3.7
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	6	3.7
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	2	3.69
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	2	3.69
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	2	3.69
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	5	3.69
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	5	3.69
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	5	3.69
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	6	3.69
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	6	3.69
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	6	3.69
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	3	3.68
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	3	3.68
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	3	3.68
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	10	3.68
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	10	3.68
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	10	3.68
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	9	3.67
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	9	3.67
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	9	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	5	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	5	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	5	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	5	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	5	3.67
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	5	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	3	3.66
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	3	3.66
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	3	3.66
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	3	3.66
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	3	3.66
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	3	3.66
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	9	3.66
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	9	3.66
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	9	3.66
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	9	3.66
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	9	3.66
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	9	3.66
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	9	3.66
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	9	3.66
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	9	3.66
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	9	3.66
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	9	3.66
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	9	3.66
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	5	3.65
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	5	3.65
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	5	3.65
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	2	3.65
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	2	3.65
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	2	3.65
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	7	3.64
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	7	3.64
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	7	3.64
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	6	3.64
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	6	3.64
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	6	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	4	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	4	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	4	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	4	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	4	3.64
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	4	3.64
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	6	3.64
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	5	3.64
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	6	3.64
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	6	3.64
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	6	3.64
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	8	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	1	3.63
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	1	3.63
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	1	3.63
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	9	3.62
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	9	3.62
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	9	3.62
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	9	3.62
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	9	3.62
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	9	3.62
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	8	3.62
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	8	3.62
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	8	3.62
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	8	3.62
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	8	3.62
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	8	3.62
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	3	3.62
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	5	3.61
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	5	3.61
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	5	3.61
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	6	3.61
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	6	3.61
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	6	3.61
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	10	3.61
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	4	3.6
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	4	3.6
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	4	3.6
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	10	3.6
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	10	3.6
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	10	3.6
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	1	3.6
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	1	3.6
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	1	3.6
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	9	3.6
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	2	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	2	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	2	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	3	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	3	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	3	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	5	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	5	3.59
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	5	3.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	3	3.58
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	3	3.58
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	3	3.58
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	6	3.58
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	6	3.58
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	6	3.58
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	7	3.58
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	7	3.58
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	7	3.58
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	7	3.58
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	7	3.58
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	7	3.58
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	7	3.58
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	7	3.58
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	7	3.58
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	7	3.58
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG21	5	3.57
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG22	5	3.57
(2,1138)	1:107:A:GLN:H	1:143:A:ILE:HG23	5	3.57
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	4	3.57
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	4	3.57
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	4	3.57
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	5	3.57
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	5	3.57
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	5	3.57
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	6	3.57
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	6	3.57
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	6	3.57
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG21	3	3.56
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG22	3	3.56
(2,1158)	1:66:A:THR:H	1:89:A:ILE:HG23	3	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	3	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	3	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	3	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	6	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	6	3.56
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	6	3.56
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	3	3.56
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	3	3.56
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	3	3.56
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	6	3.56
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	6	3.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	6	3.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	7	3.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	7	3.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	7	3.56
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	1	3.56
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	1	3.56
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	1	3.56
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	6	3.56
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	7	3.55
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	7	3.55
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	7	3.55
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	7	3.55
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	7	3.55
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	7	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	4	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	4	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	4	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	7	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	7	3.55
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	7	3.55
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	4	3.55
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	9	3.55
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	4	3.55
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	4	3.55
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	4	3.55
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	7	3.54
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	7	3.54
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	7	3.54
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	8	3.54
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	8	3.54
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	8	3.54
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	3	3.54
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	3	3.54
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	3	3.54
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	6	3.53
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	6	3.53
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	6	3.53
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	6	3.53
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	2	3.52
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	2	3.52
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	2	3.52
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	7	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	7	3.52
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	7	3.52
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	10	3.52
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	10	3.52
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	10	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	7	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	7	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	7	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	10	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	10	3.52
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	10	3.52
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD11	5	3.52
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD12	5	3.52
(2,782)	1:15:A:PHE:H	1:143:A:ILE:HD13	5	3.52
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	8	3.52
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	8	3.52
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	8	3.52
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	8	3.52
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD11	3	3.51
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD12	3	3.51
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD13	3	3.51
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD21	3	3.51
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD22	3	3.51
(2,962)	1:9:A:GLN:H	1:14:A:LEU:HD23	3	3.51
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	9	3.51
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	9	3.51
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	9	3.51
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	9	3.51
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	9	3.51
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	9	3.51
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG21	1	3.5
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG22	1	3.5
(2,1069)	1:77:A:LYS:H	1:22:A:THR:HG23	1	3.5
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	2	3.5
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	2	3.5
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	2	3.5
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	10	3.5
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	10	3.5
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	10	3.5
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	5	3.49
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	5	3.49
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	5	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	7	3.49
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	7	3.49
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	7	3.49
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	8	3.49
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	1	3.48
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	1	3.48
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	1	3.48
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	4	3.48
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	4	3.48
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	4	3.48
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	1	3.48
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	1	3.48
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	1	3.48
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	10	3.47
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	10	3.47
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	10	3.47
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	4	3.46
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	4	3.46
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	4	3.46
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	4	3.46
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	10	3.46
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	8	3.45
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	8	3.45
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	8	3.45
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	8	3.45
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	8	3.45
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	8	3.45
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	8	3.45
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	8	3.45
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	8	3.45
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB1	3	3.44
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB2	3	3.44
(2,900)	1:90:A:LYS:H	1:74:A:ALA:HB3	3	3.44
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB1	9	3.44
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB2	9	3.44
(2,863)	1:30:A:ALA:H	1:74:A:ALA:HB3	9	3.44
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	10	3.44
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	10	3.44
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	10	3.44
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	3	3.44
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	3	3.44
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	3	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	1	3.43
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	1	3.42
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	1	3.42
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	1	3.42
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	6	3.42
(2,144)	1:129:A:SER:H	1:70:A:LYS:H	6	3.42
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG21	4	3.41
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG22	4	3.41
(2,1098)	1:71:A:ARG:H	1:79:A:ILE:HG23	4	3.41
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	2	3.41
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	2	3.41
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	2	3.41
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	10	3.41
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	10	3.41
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	10	3.41
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	8	3.4
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	8	3.4
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	8	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	7	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	7	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	7	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	7	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	7	3.4
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	7	3.4
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	8	3.39
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	8	3.39
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	8	3.39
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	8	3.39
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	8	3.39
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	8	3.39
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB1	9	3.39
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB2	9	3.39
(2,836)	1:110:A:PHE:H	1:25:A:ALA:HB3	9	3.39
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	10	3.39
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	10	3.39
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	10	3.39
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	2	3.39
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	10	3.38
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	10	3.38
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	10	3.38
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	7	3.38
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	7	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	7	3.38
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	7	3.38
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	7	3.38
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	7	3.38
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	2	3.38
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	2	3.38
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	2	3.38
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	7	3.38
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	7	3.38
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	7	3.38
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	3	3.37
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	3	3.37
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	3	3.37
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	3	3.37
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	3	3.37
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	3	3.37
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	2	3.36
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	2	3.36
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	2	3.36
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD11	7	3.36
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD12	7	3.36
(2,730)	1:115:A:SER:H	1:128:A:ILE:HD13	7	3.36
(2,519)	1:111:A:ALA:H	1:92:A:TRP:HE3	10	3.36
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB1	5	3.35
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB2	5	3.35
(2,826)	1:19:A:ASP:H	1:74:A:ALA:HB3	5	3.35
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	8	3.34
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	8	3.34
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	8	3.34
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	9	3.34
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	9	3.34
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	9	3.34
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	7	3.34
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	7	3.34
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB1	4	3.33
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB2	4	3.33
(2,852)	1:111:A:ALA:H	1:20:A:ALA:HB3	4	3.33
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB1	4	3.33
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB2	4	3.33
(2,813)	1:111:A:ALA:H	1:20:A:ALA:HB3	4	3.33
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	5	3.33
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	5	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	5	3.33
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	1	3.32
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	1	3.32
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	1	3.32
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	2	3.32
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	2	3.32
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	2	3.32
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	5	3.31
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	5	3.31
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	5	3.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	4	3.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	4	3.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	4	3.31
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD11	9	3.31
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD12	9	3.31
(2,778)	1:92:A:TRP:HE1	1:130:A:ILE:HD13	9	3.31
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	4	3.31
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	4	3.31
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	4	3.31
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	4	3.31
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	4	3.31
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	4	3.31
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	9	3.3
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	9	3.3
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	9	3.3
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	9	3.3
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	9	3.3
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	9	3.3
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	6	3.29
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	6	3.29
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	6	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	9	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	9	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	9	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	9	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	9	3.29
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	9	3.29
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	6	3.29
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	6	3.29
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	6	3.29
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	6	3.29
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	6	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	6	3.29
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	4	3.29
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	4	3.29
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	1	3.28
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	1	3.28
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	1	3.28
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	4	3.28
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	4	3.28
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	4	3.28
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	3	3.28
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	3	3.28
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	3	3.28
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	3	3.28
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	3	3.28
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	3	3.28
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	4	3.27
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	4	3.27
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	4	3.27
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	4	3.27
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	4	3.27
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	4	3.27
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	1	3.27
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	1	3.27
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	1	3.27
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	8	3.26
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	8	3.26
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	8	3.26
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD11	5	3.26
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD12	5	3.26
(2,652)	1:74:A:ALA:H	1:130:A:ILE:HD13	5	3.26
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	2	3.26
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	2	3.26
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	2	3.26
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	6	3.25
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	6	3.25
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	6	3.25
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	1	3.25
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	1	3.25
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	1	3.25
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	3	3.25
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	3	3.25
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	7	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	7	3.23
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	7	3.23
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	3	3.23
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	3	3.23
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	3	3.23
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	3	3.23
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	3	3.23
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	3	3.23
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	4	3.22
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	4	3.22
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	4	3.22
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	5	3.22
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	5	3.22
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	5	3.22
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	8	3.22
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	8	3.22
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	8	3.22
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	4	3.22
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	4	3.22
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	6	3.21
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	6	3.21
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	6	3.21
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	5	3.21
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	5	3.21
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	5	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	6	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	6	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	6	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	10	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	10	3.21
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	10	3.21
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	9	3.21
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG11	10	3.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG12	10	3.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG13	10	3.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG21	10	3.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG22	10	3.2
(2,993)	1:15:A:PHE:H	1:153:A:VAL:HG23	10	3.2
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	5	3.2
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	5	3.2
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	5	3.2
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	5	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	5	3.2
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	5	3.2
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	5	3.2
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	5	3.2
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	5	3.2
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	5	3.2
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	5	3.2
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	5	3.2
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	5	3.2
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	5	3.2
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	5	3.2
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	5	3.2
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	5	3.2
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	5	3.2
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	8	3.19
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	8	3.19
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	8	3.19
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	6	3.19
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	6	3.19
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	6	3.19
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	3	3.18
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	3	3.18
(2,520)	1:28:A:PHE:H	1:92:A:TRP:HE1	10	3.17
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	7	3.17
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	10	3.17
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	7	3.17
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD11	5	3.16
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD12	5	3.16
(2,646)	1:73:A:ASP:H	1:130:A:ILE:HD13	5	3.16
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	4	3.15
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	4	3.15
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	4	3.15
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	7	3.15
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	7	3.15
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	7	3.15
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	4	3.15
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	4	3.15
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	4	3.15
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	10	3.14
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	10	3.14
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	10	3.14
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	10	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	10	3.14
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	10	3.14
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	1	3.14
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	1	3.14
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	1	3.14
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	6	3.14
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	6	3.14
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	5	3.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	5	3.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	5	3.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	5	3.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	5	3.13
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	5	3.13
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	5	3.13
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	5	3.13
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	9	3.12
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	9	3.12
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	9	3.12
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	3	3.11
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	3	3.11
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	3	3.11
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	8	3.11
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	8	3.11
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	8	3.11
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	4	3.11
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	4	3.11
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	4	3.11
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	1	3.11
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	9	3.11
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	9	3.11
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	1	3.11
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	6	3.09
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	6	3.09
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	6	3.09
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	6	3.09
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	6	3.09
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	6	3.09
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	2	3.09
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	2	3.09
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	2	3.09
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	2	3.09
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	2	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	2	3.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	2	3.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	2	3.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	2	3.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	2	3.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	2	3.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	2	3.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	2	3.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	2	3.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	2	3.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	2	3.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	2	3.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	2	3.09
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	9	3.09
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	9	3.09
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	6	3.08
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	6	3.08
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	6	3.08
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	6	3.08
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	6	3.08
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	6	3.08
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	6	3.08
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	6	3.08
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	6	3.08
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	5	3.08
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	3	3.08
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	3	3.08
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	5	3.08
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD11	9	3.07
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD12	9	3.07
(2,601)	1:88:A:GLN:H	1:130:A:ILE:HD13	9	3.07
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	2	3.07
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	2	3.07
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	2	3.07
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	8	3.06
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	8	3.06
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	8	3.06
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	5	3.05
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	5	3.05
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	5	3.05
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	10	3.05
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	10	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	10	3.05
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	10	3.05
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	10	3.05
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	10	3.05
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	1	3.05
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	1	3.05
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	1	3.05
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	9	3.04
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	9	3.04
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	9	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	2	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	2	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	2	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	2	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	2	3.04
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	2	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	4	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	4	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	4	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	4	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	4	3.04
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	4	3.04
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	9	3.04
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	9	3.04
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	9	3.04
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	9	3.04
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	9	3.04
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	9	3.04
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	9	3.04
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	9	3.04
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	9	3.04
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	9	3.04
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	9	3.04
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	9	3.04
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	9	3.04
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	9	3.04
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	9	3.04
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	9	3.04
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	9	3.04
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	9	3.04
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	3	3.03
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	3	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	3	3.03
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	8	3.02
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	8	3.02
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	8	3.02
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	9	3.02
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	4	3.02
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	1	3.02
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	10	3.02
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	9	3.02
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	7	3.01
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	7	3.01
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	7	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	3	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	3	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	3	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	3	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	3	3.01
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	3	3.01
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	10	3.01
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	10	3.01
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	10	3.01
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	9	3.0
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	9	3.0
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	9	3.0
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	8	3.0
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	8	3.0
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	8	3.0
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	6	3.0
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	6	3.0
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	6	3.0
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	3	3.0
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	2	3.0
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	3	3.0
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	2	2.99
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	2	2.99
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	2	2.99
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	2	2.99
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	2	2.99
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	2	2.99
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	5	2.99
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	8	2.99
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	8	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	1	2.98
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	1	2.98
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	1	2.98
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	1	2.98
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	1	2.98
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	1	2.98
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	1	2.98
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	1	2.98
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	1	2.98
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	1	2.98
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	1	2.98
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	1	2.98
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	1	2.98
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	1	2.98
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	1	2.98
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	1	2.98
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	1	2.98
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	1	2.98
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	7	2.98
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	7	2.97
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	7	2.97
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	7	2.97
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	7	2.97
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	10	2.97
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	10	2.97
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	7	2.97
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	2	2.96
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	2	2.96
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	2	2.96
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG21	2	2.96
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG22	2	2.96
(2,1149)	1:73:A:ASP:H	1:130:A:ILE:HG23	2	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	1	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	1	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	1	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	1	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	1	2.96
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	1	2.96
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	4	2.96
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	4	2.96
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	4	2.96
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	1	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	1	2.96
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	10	2.95
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	10	2.95
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	10	2.95
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	8	2.94
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	8	2.94
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	8	2.94
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	8	2.94
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	8	2.94
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	8	2.94
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB1	10	2.94
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB2	10	2.94
(2,906)	1:98:A:LYS:H	1:106:A:ALA:HB3	10	2.94
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	7	2.94
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	7	2.94
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	7	2.94
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	9	2.94
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	9	2.94
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	9	2.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	9	2.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	9	2.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	9	2.94
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	5	2.94
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	5	2.94
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	5	2.94
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	3	2.94
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	3	2.94
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	3	2.94
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	9	2.94
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	2	2.94
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	8	2.94
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	8	2.94
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	2	2.94
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	6	2.93
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	6	2.93
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	6	2.93
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	6	2.93
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	6	2.93
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	6	2.93
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	9	2.93
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	9	2.93
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	9	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	5	2.93
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	6	2.93
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	8	2.93
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	10	2.93
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	10	2.93
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	5	2.93
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG21	1	2.92
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG22	1	2.92
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG23	1	2.92
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	10	2.92
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	10	2.92
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	10	2.92
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD11	8	2.92
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD12	8	2.92
(2,548)	1:92:A:TRP:H	1:135:A:ILE:HD13	8	2.92
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	6	2.92
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	2	2.92
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	6	2.92
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE1	10	2.91
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE2	10	2.91
(2,1021)	1:100:A:GLU:H	1:7:A:MET:HE3	10	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	1	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	1	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	1	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	1	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	1	2.91
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	1	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	10	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	10	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	10	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	10	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	10	2.91
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	10	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG11	8	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG12	8	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG13	8	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG21	8	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG22	8	2.91
(2,983)	1:111:A:ALA:H	1:94:A:VAL:HG23	8	2.91
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	1	2.91
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	1	2.91
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	1	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	4	2.91
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	4	2.91
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	4	2.91
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	3	2.91
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	2	2.9
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	2	2.9
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	2	2.9
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	1	2.9
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	1	2.9
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	1	2.9
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	8	2.9
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	8	2.9
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	7	2.89
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	7	2.89
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	7	2.89
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	6	2.89
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	6	2.89
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG11	6	2.88
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG12	6	2.88
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG13	6	2.88
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG21	6	2.88
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG22	6	2.88
(2,989)	1:145:A:THR:H	1:153:A:VAL:HG23	6	2.88
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	5	2.88
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	5	2.88
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	5	2.88
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	1	2.88
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	1	2.88
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	1	2.88
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	4	2.88
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	4	2.88
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	7	2.87
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	7	2.87
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	7	2.87
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	2	2.87
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	2	2.87
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	2	2.87
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	7	2.87
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	7	2.87
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	7	2.87
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	7	2.87
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	8	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	8	2.86
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	8	2.86
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	3	2.86
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	3	2.86
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	3	2.86
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	7	2.86
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	7	2.86
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	7	2.86
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	8	2.86
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	3	2.85
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	3	2.85
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	3	2.85
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	4	2.85
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	7	2.84
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	7	2.84
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	7	2.84
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	7	2.84
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	7	2.84
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	7	2.84
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	8	2.84
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	8	2.84
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	8	2.84
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	10	2.84
(2,474)	1:92:A:TRP:HE1	1:107:A:GLN:H	5	2.84
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	7	2.84
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	7	2.84
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	10	2.84
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	5	2.83
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	5	2.83
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	5	2.83
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	9	2.83
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	9	2.83
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	9	2.83
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	2	2.83
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	2	2.83
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	4	2.83
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	4	2.83
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	2	2.82
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	2	2.82
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	2	2.82
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	3	2.82
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	2	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	2	2.82
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	2	2.82
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	2	2.82
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	1	2.81
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	1	2.81
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	1	2.81
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	6	2.81
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	6	2.81
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	5	2.8
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	5	2.8
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	5	2.8
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	5	2.8
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	5	2.8
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	5	2.8
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	2	2.8
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	2	2.8
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	2	2.8
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	6	2.8
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	6	2.8
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	6	2.8
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	3	2.8
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	3	2.8
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	3	2.8
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	4	2.79
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	4	2.79
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	4	2.79
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG21	9	2.79
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG22	9	2.79
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG23	9	2.79
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	3	2.79
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	3	2.79
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	3	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	4	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	4	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	4	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	4	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	4	2.79
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	4	2.79
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	1	2.79
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	1	2.79
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	1	2.79
(2,503)	1:28:A:PHE:H	1:94:A:VAL:H	10	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,281)	1:94:A:VAL:H	1:28:A:PHE:H	10	2.79
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	8	2.78
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	8	2.78
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	8	2.78
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	8	2.78
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	8	2.78
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	8	2.78
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB1	6	2.78
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB2	6	2.78
(2,874)	1:76:A:GLN:H	1:20:A:ALA:HB3	6	2.78
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	9	2.78
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	9	2.78
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	9	2.78
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	7	2.78
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	7	2.78
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	7	2.78
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	3	2.78
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	3	2.78
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	3	2.78
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	10	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	10	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	10	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	10	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	10	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	10	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	5	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	5	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	5	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	6	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	6	2.77
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	6	2.77
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	4	2.77
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	2	2.77
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	4	2.77
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	2	2.77
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	8	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	8	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	8	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	8	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	8	2.76
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	8	2.76
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	6	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	6	2.76
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	6	2.76
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	5	2.76
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	5	2.76
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	5	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	2	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	2	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	2	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	10	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	10	2.76
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	10	2.76
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	8	2.76
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	8	2.76
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	8	2.76
(2,484)	1:111:A:ALA:H	1:15:A:PHE:H	8	2.76
(2,22)	1:15:A:PHE:H	1:111:A:ALA:H	8	2.76
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	10	2.75
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	10	2.75
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	10	2.75
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	8	2.75
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	4	2.74
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	4	2.74
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	4	2.74
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	9	2.74
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	9	2.74
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	9	2.74
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	9	2.73
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	9	2.73
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	9	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	3	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	3	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	3	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	3	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	3	2.73
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	3	2.73
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	5	2.73
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	5	2.73
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	5	2.73
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	7	2.73
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	7	2.73
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	7	2.73
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	7	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	7	2.73
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	7	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	4	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	4	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	4	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	10	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	10	2.73
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	10	2.73
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	7	2.72
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	7	2.72
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	7	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	2	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	2	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	2	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	4	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	4	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	4	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	6	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	6	2.72
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	6	2.72
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	2	2.72
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	2	2.72
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	2	2.72
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	7	2.72
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	7	2.72
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	7	2.72
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	8	2.72
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	6	2.71
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	5	2.71
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	10	2.71
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	5	2.71
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	5	2.71
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	5	2.71
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG21	2	2.7
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG22	2	2.7
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG23	2	2.7
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	3	2.7
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	3	2.7
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	3	2.7
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	1	2.7
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	1	2.7
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	1	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD11	4	2.7
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD12	4	2.7
(2,631)	1:68:A:TYR:H	1:79:A:ILE:HD13	4	2.7
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	1	2.7
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	1	2.7
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	1	2.7
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	1	2.7
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	1	2.69
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	1	2.69
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	1	2.69
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	6	2.69
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	4	2.69
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	6	2.69
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG21	2	2.68
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG22	2	2.68
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG23	2	2.68
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	2	2.68
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	2	2.68
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	2	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	4	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	4	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	4	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	4	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	4	2.68
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	4	2.68
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	7	2.67
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	7	2.67
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	7	2.67
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB1	4	2.67
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB2	4	2.67
(2,886)	1:80:A:GLU:H	1:20:A:ALA:HB3	4	2.67
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	10	2.67
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	10	2.67
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	10	2.67
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	8	2.66
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	8	2.66
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	8	2.66
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	1	2.66
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	5	2.65
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	5	2.65
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	5	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	5	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	5	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	5	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	9	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	9	2.65
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	9	2.65
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG21	5	2.65
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG22	5	2.65
(2,1079)	1:24:A:SER:H	1:18:A:ILE:HG23	5	2.65
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	6	2.65
(2,489)	1:14:A:LEU:H	1:90:A:LYS:H	10	2.65
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG21	9	2.64
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG22	9	2.64
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG23	9	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	10	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	10	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	10	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	10	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	10	2.64
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	10	2.64
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	9	2.64
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	9	2.64
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	9	2.64
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	9	2.64
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	9	2.64
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	9	2.64
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	10	2.64
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	10	2.64
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	4	2.64
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	1	2.63
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	1	2.63
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	1	2.63
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	5	2.63
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	5	2.63
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	5	2.63
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	6	2.63
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	6	2.63
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	6	2.63
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	5	2.63
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	5	2.63
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	5	2.63
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	6	2.63
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	6	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	6	2.63
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	1	2.62
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	1	2.62
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	1	2.62
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	6	2.62
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	6	2.62
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	6	2.62
(2,118)	1:53:A:ILE:H	1:46:A:GLU:H	8	2.62
(2,101)	1:46:A:GLU:H	1:53:A:ILE:H	8	2.62
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG21	1	2.61
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG22	1	2.61
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG23	1	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	6	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	6	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	6	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	6	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	6	2.61
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	6	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	2	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	2	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	2	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	2	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	2	2.61
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	2	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	3	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	3	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	3	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	3	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	3	2.61
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	3	2.61
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	10	2.61
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	10	2.61
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	10	2.61
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	4	2.61
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	4	2.61
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	4	2.61
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	10	2.61
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	10	2.61
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	10	2.61
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	9	2.61
(2,118)	1:53:A:ILE:H	1:46:A:GLU:H	6	2.61
(2,101)	1:46:A:GLU:H	1:53:A:ILE:H	6	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	8	2.6
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	8	2.6
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	8	2.6
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	8	2.6
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	8	2.6
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	8	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	1	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	1	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	1	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	8	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	8	2.6
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	8	2.6
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	3	2.6
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	3	2.6
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	3	2.6
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	10	2.6
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	10	2.6
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	10	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	2	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	2	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	2	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD11	5	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD12	5	2.6
(2,706)	1:81:A:ASP:H	1:18:A:ILE:HD13	5	2.6
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	10	2.6
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	10	2.6
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	10	2.6
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	5	2.59
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	5	2.59
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	5	2.59
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	8	2.59
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	8	2.59
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	2	2.58
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	2	2.58
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	2	2.58
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	2	2.58
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	2	2.58
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	2	2.58
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	6	2.58
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	6	2.58
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	6	2.58
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	6	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	6	2.58
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	6	2.58
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	4	2.58
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	4	2.58
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	4	2.58
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	9	2.58
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	9	2.58
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	9	2.58
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	4	2.58
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	4	2.58
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	4	2.58
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	4	2.58
(2,265)	1:81:A:ASP:H	1:73:A:ASP:H	9	2.58
(2,227)	1:81:A:ASP:H	1:73:A:ASP:H	9	2.58
(2,222)	1:81:A:ASP:H	1:73:A:ASP:H	9	2.58
(2,181)	1:73:A:ASP:H	1:81:A:ASP:H	9	2.58
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	6	2.57
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	6	2.57
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	6	2.57
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	6	2.57
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	6	2.57
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	6	2.57
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	8	2.57
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	8	2.57
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	8	2.57
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG11	10	2.56
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG12	10	2.56
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG13	10	2.56
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG21	10	2.56
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG22	10	2.56
(2,1013)	1:146:A:LEU:H	1:153:A:VAL:HG23	10	2.56
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	7	2.56
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	7	2.56
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	7	2.56
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	7	2.56
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	7	2.56
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	7	2.56
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	7	2.56
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	7	2.56
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	7	2.56
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	7	2.56
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	7	2.56
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	7	2.56
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	7	2.56
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	7	2.56
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	7	2.56
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	7	2.56
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	7	2.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	10	2.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	10	2.56
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	10	2.56
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	4	2.56
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	4	2.56
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	4	2.56
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	9	2.56
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	9	2.56
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	9	2.56
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	7	2.56
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	7	2.56
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	7	2.56
(2,118)	1:53:A:ILE:H	1:46:A:GLU:H	10	2.56
(2,101)	1:46:A:GLU:H	1:53:A:ILE:H	10	2.56
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG21	5	2.55
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG22	5	2.55
(2,1043)	1:92:A:TRP:HE3	1:145:A:THR:HG23	5	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	10	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	10	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	10	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	10	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	10	2.55
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	10	2.55
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB1	1	2.55
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB2	1	2.55
(2,846)	1:27:A:LEU:H	1:20:A:ALA:HB3	1	2.55
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	8	2.55
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	8	2.55
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	8	2.55
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	6	2.55
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	6	2.55
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	6	2.55
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	8	2.55
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	3	2.55
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	8	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	9	2.54
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	9	2.54
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	9	2.54
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	2	2.54
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	2	2.54
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	2	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	1	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	1	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	1	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	1	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	1	2.54
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	1	2.54
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	6	2.54
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	6	2.54
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	6	2.54
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	5	2.54
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	5	2.54
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	5	2.54
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	6	2.54
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	6	2.54
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	6	2.54
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG21	5	2.53
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG22	5	2.53
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG23	5	2.53
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	2	2.53
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	2	2.53
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	2	2.53
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	3	2.53
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	3	2.53
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	3	2.53
(2,509)	1:28:A:PHE:H	1:12:A:LYS:H	10	2.53
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	5	2.53
(2,18)	1:12:A:LYS:H	1:28:A:PHE:H	10	2.53
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	6	2.52
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	6	2.52
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	6	2.52
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	8	2.52
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	8	2.52
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	8	2.52
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	3	2.52
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	3	2.52
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	9	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	8	2.51
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	8	2.51
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	8	2.51
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	8	2.51
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	8	2.51
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	8	2.51
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	8	2.51
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	8	2.51
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	8	2.51
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD11	8	2.51
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD12	8	2.51
(2,578)	1:17:A:SER:H	1:130:A:ILE:HD13	8	2.51
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	8	2.51
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	8	2.51
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	8	2.51
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	8	2.51
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	10	2.51
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG21	2	2.5
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG22	2	2.5
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG23	2	2.5
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	7	2.5
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	7	2.5
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	7	2.5
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	2	2.5
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	2	2.5
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	2	2.5
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	7	2.5
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	8	2.49
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	8	2.49
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	8	2.49
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG21	5	2.48
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG22	5	2.48
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG23	5	2.48
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	4	2.48
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	4	2.48
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	4	2.48
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	4	2.48
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	4	2.48
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	4	2.48
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	4	2.48
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	4	2.48
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	4	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	4	2.48
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	4	2.48
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	4	2.48
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	4	2.48
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	4	2.48
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	4	2.48
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	4	2.48
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	4	2.48
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	4	2.48
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	10	2.48
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	10	2.48
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	10	2.48
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD11	3	2.48
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD12	3	2.48
(2,567)	1:84:A:GLN:H	1:18:A:ILE:HD13	3	2.48
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	10	2.48
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	10	2.48
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	10	2.48
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	3	2.48
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	10	2.47
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	10	2.47
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	10	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	1	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	1	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	1	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	1	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	1	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	1	2.47
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	7	2.47
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	7	2.47
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	7	2.47
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	10	2.47
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	10	2.47
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	10	2.47
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	8	2.47
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	7	2.47
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	8	2.47
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	9	2.46
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	9	2.46
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	9	2.46
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	9	2.46
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	9	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	9	2.46
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	4	2.46
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	4	2.46
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	4	2.46
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	10	2.46
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	10	2.46
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	10	2.46
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	1	2.46
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	2	2.46
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	10	2.46
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	1	2.46
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	2	2.46
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	10	2.46
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	2	2.45
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	2	2.45
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	2	2.45
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	9	2.44
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	9	2.44
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	9	2.44
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	9	2.44
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	9	2.44
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	9	2.44
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	9	2.44
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	3	2.44
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	3	2.44
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	3	2.44
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	3	2.44
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	3	2.44
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	3	2.44
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	3	2.44
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	3	2.44
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	3	2.44
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	3	2.44
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	3	2.44
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	3	2.44
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	3	2.44
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	3	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	3	2.44
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	3	2.44
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	3	2.44
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	3	2.44
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB1	3	2.44
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB2	3	2.44
(2,842)	1:110:A:PHE:H	1:106:A:ALA:HB3	3	2.44
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	10	2.44
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	10	2.44
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	10	2.44
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	4	2.44
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	4	2.44
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG21	6	2.43
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG22	6	2.43
(2,1113)	1:88:A:GLN:H	1:79:A:ILE:HG23	6	2.43
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	1	2.43
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	1	2.43
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	1	2.43
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	3	2.43
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	3	2.43
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	3	2.43
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD11	5	2.42
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD12	5	2.42
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD13	5	2.42
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD21	5	2.42
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD22	5	2.42
(2,964)	1:111:A:ALA:H	1:14:A:LEU:HD23	5	2.42
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	9	2.42
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	6	2.42
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	9	2.41
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	9	2.41
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	9	2.4
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	9	2.4
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	9	2.4
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	3	2.4
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	3	2.4
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	3	2.4
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	5	2.4
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	5	2.4
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	5	2.4
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	10	2.4
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	10	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	10	2.4
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	6	2.4
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	9	2.4
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	6	2.4
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	9	2.4
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	5	2.39
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	5	2.38
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	5	2.38
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	5	2.38
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	5	2.38
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	5	2.38
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	5	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	8	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	8	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	8	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	8	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	8	2.38
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	8	2.38
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	2	2.38
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	2	2.38
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	3	2.37
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	3	2.37
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	3	2.37
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	9	2.37
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	9	2.37
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	9	2.37
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	6	2.37
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	6	2.37
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	6	2.37
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	8	2.37
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	8	2.37
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	8	2.37
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	7	2.37
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	7	2.37
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG11	2	2.36
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG12	2	2.36
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG13	2	2.36
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG21	2	2.36
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG22	2	2.36
(2,1019)	1:94:A:VAL:H	1:153:A:VAL:HG23	2	2.36
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG11	7	2.36
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG12	7	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG13	7	2.36
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG21	7	2.36
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG22	7	2.36
(2,992)	1:15:A:PHE:H	1:151:A:VAL:HG23	7	2.36
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB1	4	2.36
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB2	4	2.36
(2,877)	1:77:A:LYS:H	1:20:A:ALA:HB3	4	2.36
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	6	2.36
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	6	2.36
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	6	2.36
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	6	2.36
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	6	2.36
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	6	2.36
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	5	2.36
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	5	2.36
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	5	2.36
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB1	1	2.35
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB2	1	2.35
(2,856)	1:111:A:ALA:H	1:25:A:ALA:HB3	1	2.35
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD11	1	2.35
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD12	1	2.35
(2,702)	1:91:A:PHE:H	1:143:A:ILE:HD13	1	2.35
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	10	2.35
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	10	2.35
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	10	2.35
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	6	2.35
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	6	2.35
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	6	2.35
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	5	2.35
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	7	2.34
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	7	2.34
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	7	2.34
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	2	2.34
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	2	2.34
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	2	2.34
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	7	2.34
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	7	2.34
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	6	2.33
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	6	2.33
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	6	2.33
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	6	2.33
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	6	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	6	2.33
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	1	2.33
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	1	2.33
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	9	2.32
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	9	2.32
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	9	2.32
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	5	2.32
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	9	2.32
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	5	2.32
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	10	2.31
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	10	2.31
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	10	2.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	5	2.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	5	2.31
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	5	2.31
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	6	2.31
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	6	2.31
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	6	2.31
(2,451)	1:172:A:GLY:H	1:167:A:THR:H	5	2.31
(2,439)	1:167:A:THR:H	1:172:A:GLY:H	5	2.31
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	1	2.31
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	5	2.3
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	5	2.3
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	5	2.3
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	3	2.3
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	3	2.3
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	3	2.3
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	1	2.3
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	1	2.3
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	10	2.29
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	10	2.29
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	10	2.29
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	10	2.29
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	10	2.29
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	10	2.29
(2,354)	1:119:A:SER:H	1:68:A:TYR:H	3	2.29
(2,147)	1:68:A:TYR:H	1:119:A:SER:H	3	2.29
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	2	2.28
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	2	2.28
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	2	2.28
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD11	7	2.28
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD12	7	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:17:A:SER:H	1:150:A:ILE:HD13	7	2.28
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	10	2.27
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	10	2.27
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	10	2.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	1	2.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	1	2.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	1	2.27
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	4	2.26
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	4	2.26
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	4	2.26
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	4	2.26
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	4	2.26
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	4	2.26
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	4	2.26
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	4	2.26
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	4	2.26
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	2	2.26
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	2	2.26
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	2	2.26
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	4	2.26
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	4	2.26
(2,234)	1:83:A:TYR:H	1:18:A:ILE:H	3	2.26
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD11	1	2.25
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD12	1	2.25
(2,788)	1:14:A:LEU:H	1:143:A:ILE:HD13	1	2.25
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	4	2.25
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	4	2.25
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	4	2.25
(2,451)	1:172:A:GLY:H	1:167:A:THR:H	9	2.25
(2,439)	1:167:A:THR:H	1:172:A:GLY:H	9	2.25
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	7	2.25
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	5	2.25
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	9	2.24
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	8	2.24
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	8	2.24
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	8	2.24
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	6	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	6	2.24
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	6	2.24
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	9	2.24
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	9	2.24
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	9	2.24
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	7	2.23
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	7	2.23
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	7	2.23
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	7	2.23
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	7	2.23
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	7	2.23
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	2	2.23
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	8	2.22
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	8	2.22
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	8	2.22
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	1	2.21
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	1	2.21
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	1	2.21
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG21	9	2.2
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG22	9	2.2
(2,1152)	1:15:A:PHE:H	1:150:A:ILE:HG23	9	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	1	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	1	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	1	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	1	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	1	2.2
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	1	2.2
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	9	2.2
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	9	2.2
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	9	2.2
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	9	2.2
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	9	2.2
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	9	2.2
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	2	2.2
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	4	2.19
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	4	2.19
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	4	2.19
(2,451)	1:172:A:GLY:H	1:167:A:THR:H	2	2.19
(2,439)	1:167:A:THR:H	1:172:A:GLY:H	2	2.19
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	1	2.19
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	3	2.18
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	3	2.18
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD11	8	2.18
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD12	8	2.18
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD13	8	2.18
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	10	2.18
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	10	2.18
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	10	2.18
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	8	2.17
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	8	2.17
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	8	2.17
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	8	2.17
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	8	2.17
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	8	2.17
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	6	2.17
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	6	2.17
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	6	2.17
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	6	2.17
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	6	2.17
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	6	2.17
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	1	2.17
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	2	2.17
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	1	2.17
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	2	2.17
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG21	1	2.16
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG22	1	2.16
(2,1046)	1:101:A:ASN:H	1:145:A:THR:HG23	1	2.16
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	8	2.16
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	8	2.16
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	8	2.16
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	7	2.16
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	7	2.16
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	7	2.16
(2,292)	1:140:A:ASN:H	1:104:A:TYR:H	2	2.16
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG21	1	2.15
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG22	1	2.15
(2,1052)	1:106:A:ALA:H	1:145:A:THR:HG23	1	2.15
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	10	2.15
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	10	2.15
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	10	2.15
(2,451)	1:172:A:GLY:H	1:167:A:THR:H	1	2.15
(2,439)	1:167:A:THR:H	1:172:A:GLY:H	1	2.15
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	5	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	5	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	5	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	5	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	5	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	5	2.14
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	2	2.14
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	2	2.14
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	2	2.14
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	9	2.14
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	9	2.14
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	9	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	2	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	2	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	2	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	9	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	9	2.14
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	9	2.14
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	2	2.14
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	2	2.14
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	2	2.14
(2,153)	1:69:A:GLY:H	1:73:A:ASP:H	9	2.14
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	2	2.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	2	2.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	2	2.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	2	2.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	2	2.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	2	2.13
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD11	6	2.13
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD12	6	2.13
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD13	6	2.13
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	1	2.13
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	1	2.13
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	1	2.13
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	7	2.12
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	7	2.12
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	7	2.12
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	6	2.12
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	6	2.12
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	6	2.12
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	8	2.12
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	8	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	8	2.12
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	3	2.12
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	3	2.12
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	9	2.11
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	9	2.11
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	9	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	5	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	5	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	5	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	9	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	9	2.11
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	9	2.11
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	5	2.1
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	5	2.1
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	5	2.1
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	10	2.09
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	10	2.09
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	10	2.09
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	10	2.09
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	10	2.09
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	10	2.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	10	2.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	10	2.09
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	10	2.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	10	2.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	10	2.09
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	10	2.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	10	2.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	10	2.09
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	10	2.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	10	2.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	10	2.09
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	10	2.09
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	1	2.09
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	1	2.09
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	1	2.09
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	6	2.09
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	6	2.09
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	6	2.09
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	5	2.09
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	5	2.09
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	5	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	3	2.08
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	3	2.08
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	3	2.08
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	3	2.08
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	3	2.08
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	3	2.08
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	8	2.08
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	8	2.08
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	8	2.08
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	4	2.08
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	9	2.07
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	9	2.07
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	9	2.07
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	9	2.07
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	9	2.07
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	9	2.07
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	8	2.07
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	8	2.07
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	8	2.07
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	9	2.07
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	9	2.07
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	9	2.07
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD11	10	2.07
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD12	10	2.07
(2,597)	1:45:A:ASP:H	1:53:A:ILE:HD13	10	2.07
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	1	2.06
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	1	2.06
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	1	2.06
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	3	2.06
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	3	2.06
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	3	2.06
(2,476)	1:92:A:TRP:HE1	1:108:A:PHE:H	5	2.06
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	5	2.05
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	5	2.05
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	5	2.05
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	5	2.05
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	5	2.05
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	5	2.05
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	2	2.05
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	2	2.05
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	2	2.05
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	5	2.05
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	5	2.05
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	7	2.05
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	7	2.05
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	7	2.05
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	4	2.05
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	4	2.05
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	4	2.05
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	4	2.05
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	4	2.05
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	4	2.05
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	6	2.05
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	6	2.05
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	4	2.04
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	4	2.04
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	4	2.04
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	4	2.04
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	4	2.04
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	4	2.04
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	3	2.04
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	3	2.04
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	3	2.04
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	1	2.03
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	1	2.03
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	1	2.03
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	1	2.03
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	1	2.03
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	1	2.03
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	8	2.03
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	8	2.03
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	3	2.02
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	3	2.02
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	3	2.02
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	10	2.01
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	10	2.01
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	10	2.01
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	2	2.01
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	2	2.01
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	3	2.0
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	3	2.0
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	3	2.0
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	7	2.0
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	7	2.0
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	7	2.0
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	7	2.0
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	7	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	3	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	3	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	3	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	3	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	3	2.0
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	3	2.0
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	6	2.0
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	2	1.99
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	2	1.99
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	2	1.99
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	9	1.99
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	9	1.99
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	9	1.99
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	8	1.99
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	8	1.99
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	8	1.99
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	5	1.99
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	5	1.99
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	5	1.99
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	5	1.99
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	5	1.99
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	6	1.99
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	8	1.98
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	8	1.98
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	8	1.98
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	2	1.98
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	2	1.98
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	2	1.98
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	8	1.98
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	8	1.98
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	8	1.98
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	2	1.98
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	2	1.98
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	2	1.98
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	8	1.97
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	8	1.97
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	8	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	8	1.97
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	8	1.97
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	8	1.97
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	8	1.97
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	8	1.97
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	8	1.97
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	8	1.97
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	8	1.97
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	8	1.97
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	8	1.97
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	8	1.97
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	8	1.97
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	8	1.97
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	8	1.97
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	8	1.97
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	6	1.97
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	6	1.97
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	6	1.97
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	8	1.97
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	8	1.97
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	8	1.97
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	10	1.96
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	10	1.96
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	10	1.96
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	9	1.96
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	9	1.96
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	9	1.96
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	8	1.96
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	8	1.96
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	8	1.96
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	9	1.96
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	9	1.96
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	9	1.96
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	7	1.96
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	5	1.95
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	5	1.95
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	5	1.95
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	7	1.95
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	7	1.95
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	7	1.95
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	7	1.95
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	7	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	7	1.95
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	7	1.95
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	7	1.95
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	7	1.95
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	9	1.95
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	9	1.95
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	9	1.95
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	4	1.95
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	4	1.95
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	4	1.95
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	3	1.95
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	3	1.95
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	3	1.95
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	4	1.95
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	2	1.94
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	2	1.94
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	2	1.94
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	2	1.94
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	2	1.94
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	2	1.94
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	4	1.94
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	4	1.94
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	4	1.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD11	7	1.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD12	7	1.94
(2,719)	1:98:A:LYS:H	1:6:A:ILE:HD13	7	1.94
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	6	1.93
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	6	1.93
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	6	1.93
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	2	1.93
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	2	1.93
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	2	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	3	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	3	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	3	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	4	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	4	1.93
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	4	1.93
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	2	1.93
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	2	1.93
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	2	1.93
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD11	6	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD12	6	1.92
(2,942)	1:150:A:ILE:HD11	1:79:A:ILE:HD13	6	1.92
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD11	6	1.92
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD12	6	1.92
(2,942)	1:150:A:ILE:HD12	1:79:A:ILE:HD13	6	1.92
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD11	6	1.92
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD12	6	1.92
(2,942)	1:150:A:ILE:HD13	1:79:A:ILE:HD13	6	1.92
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD11	6	1.92
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD12	6	1.92
(2,937)	1:79:A:ILE:HD11	1:150:A:ILE:HD13	6	1.92
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD11	6	1.92
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD12	6	1.92
(2,937)	1:79:A:ILE:HD12	1:150:A:ILE:HD13	6	1.92
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD11	6	1.92
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD12	6	1.92
(2,937)	1:79:A:ILE:HD13	1:150:A:ILE:HD13	6	1.92
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	1	1.92
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	1	1.92
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	1	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	7	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	7	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	7	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	10	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	10	1.92
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	10	1.92
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	7	1.92
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	7	1.92
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	7	1.92
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	2	1.92
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	2	1.92
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	2	1.92
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	4	1.91
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	4	1.91
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	4	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	3	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	3	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	3	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	3	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	3	1.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	3	1.91
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	5	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	5	1.91
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	5	1.91
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	3	1.91
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	3	1.91
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	3	1.91
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	6	1.9
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	6	1.9
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	6	1.9
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	8	1.9
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	8	1.9
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	8	1.9
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	1	1.9
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	1	1.9
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	1	1.9
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	4	1.9
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	4	1.9
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	4	1.9
(2,523)	1:104:A:TYR:H	1:92:A:TRP:HE3	5	1.9
(2,465)	1:92:A:TRP:HE3	1:104:A:TYR:H	5	1.9
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	7	1.89
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	7	1.89
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	7	1.89
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	7	1.89
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	7	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	7	1.89
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	7	1.89
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	7	1.89
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	7	1.89
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	7	1.89
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	7	1.89
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	7	1.89
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	7	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	7	1.89
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	7	1.89
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	3	1.89
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	3	1.89
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	3	1.89
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	8	1.89
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	2	1.88
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	2	1.88
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	2	1.88
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	5	1.88
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	5	1.88
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	5	1.88
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	4	1.88
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	4	1.88
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	4	1.88
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	1	1.88
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	1	1.88
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	1	1.88
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	2	1.87
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	2	1.87
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	2	1.87
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	10	1.87
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	10	1.87
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	1	1.86
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	1	1.86
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	1	1.86
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	8	1.86
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	8	1.86
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	8	1.86
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	10	1.86
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	10	1.86
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	10	1.86
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	10	1.86
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	10	1.86
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	10	1.86
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	5	1.86
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	5	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	5	1.86
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	6	1.85
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	6	1.85
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	6	1.85
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	1	1.85
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	1	1.85
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	1	1.85
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	5	1.85
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	5	1.85
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	5	1.85
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	7	1.85
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	7	1.85
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	7	1.85
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	10	1.85
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	4	1.84
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	4	1.84
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	4	1.84
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	4	1.84
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	4	1.84
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	4	1.84
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	1	1.84
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	1	1.84
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	1	1.84
(2,496)	1:28:A:PHE:H	1:92:A:TRP:H	9	1.84
(2,255)	1:92:A:TRP:H	1:28:A:PHE:H	9	1.84
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	6	1.83
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	6	1.83
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	6	1.83
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	7	1.83
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	7	1.83
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	7	1.83
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	10	1.83
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	5	1.82
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	5	1.82
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	5	1.82
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	7	1.82
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	7	1.82
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	7	1.82
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	3	1.82
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	3	1.82
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	3	1.82
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	10	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	10	1.81
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	10	1.81
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	6	1.81
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	6	1.81
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	6	1.81
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	1	1.81
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	1	1.81
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	1	1.81
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	8	1.81
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	8	1.81
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	8	1.81
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	10	1.81
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	10	1.81
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	10	1.81
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	3	1.81
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	3	1.81
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	3	1.81
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	1	1.81
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	1	1.81
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	1	1.81
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	1	1.8
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	1	1.8
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	1	1.8
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	3	1.79
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	3	1.79
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	3	1.79
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	3	1.79
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	3	1.79
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	3	1.79
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	4	1.79
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	4	1.79
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	4	1.79
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	5	1.79
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	5	1.79
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	5	1.79
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	7	1.79
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	7	1.79
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	7	1.79
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	7	1.79
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	7	1.79
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	7	1.79
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	10	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	10	1.79
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	10	1.79
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	7	1.79
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	7	1.79
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	7	1.79
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	2	1.78
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	2	1.78
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	2	1.78
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	3	1.78
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	3	1.78
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	3	1.78
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	2	1.78
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	2	1.78
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	2	1.78
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	7	1.78
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	7	1.78
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	7	1.78
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	2	1.78
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	2	1.78
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	2	1.78
(2,348)	1:117:A:GLU:H	1:132:A:LEU:H	8	1.78
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	8	1.77
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	8	1.77
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	8	1.77
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	8	1.77
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	8	1.77
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	8	1.77
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	1	1.77
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	1	1.77
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	1	1.77
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	9	1.77
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	9	1.77
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	9	1.77
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD11	1	1.77
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD12	1	1.77
(2,717)	1:94:A:VAL:H	1:143:A:ILE:HD13	1	1.77
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	6	1.77
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	6	1.77
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	6	1.77
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	9	1.76
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	9	1.76
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	5	1.76
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	5	1.76
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	5	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	6	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	6	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	6	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	9	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	9	1.76
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	9	1.76
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	6	1.75
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	6	1.75
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	6	1.75
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	6	1.75
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	6	1.75
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	6	1.75
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD11	5	1.75
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD12	5	1.75
(2,712)	1:92:A:TRP:H	1:143:A:ILE:HD13	5	1.75
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	3	1.75
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	3	1.75
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	3	1.75
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	9	1.75
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	9	1.75
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	9	1.75
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD11	5	1.75
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD12	5	1.75
(2,550)	1:92:A:TRP:H	1:143:A:ILE:HD13	5	1.75
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	7	1.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	7	1.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	7	1.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	7	1.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	7	1.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	7	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG11	1	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG12	1	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG13	1	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG21	1	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG22	1	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG23	1	1.74
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	4	1.74
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	4	1.74
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	4	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	5	1.74
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	5	1.74
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	5	1.74
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	4	1.74
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	4	1.74
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	4	1.74
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	4	1.74
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	4	1.74
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	4	1.74
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	6	1.74
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	6	1.74
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	6	1.74
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD11	6	1.74
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD12	6	1.74
(2,591)	1:25:A:ALA:H	1:89:A:ILE:HD13	6	1.74
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG11	5	1.73
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG12	5	1.73
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG13	5	1.73
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG21	5	1.73
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG22	5	1.73
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG23	5	1.73
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	9	1.73
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	9	1.73
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	9	1.73
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	9	1.72
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	9	1.72
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	9	1.72
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	2	1.72
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	2	1.72
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	2	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	3	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	3	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	3	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	7	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	7	1.72
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	7	1.72
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	6	1.72
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	6	1.72
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	6	1.72
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	4	1.71
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	4	1.71
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	4	1.71
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	4	1.71
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	4	1.71
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	4	1.71
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	4	1.71
(2,11)	1:92:A:TRP:H	1:12:A:LYS:H	3	1.69
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	4	1.68
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	4	1.68
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	4	1.68
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	4	1.68
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	4	1.68
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	4	1.68
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	10	1.68
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	10	1.68
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	10	1.68
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	1	1.67
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	1	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	1	1.67
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	2	1.67
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	2	1.67
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	2	1.67
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	1	1.67
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	1	1.67
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	1	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG11	2	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG12	2	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG13	2	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG21	2	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG22	2	1.67
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG23	2	1.67
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	3	1.67
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	3	1.67
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	3	1.67
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	3	1.67
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	3	1.67
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	3	1.67
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	4	1.67
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	4	1.67
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	4	1.67
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	3	1.66
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	3	1.66
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	3	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	7	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	7	1.66
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	7	1.66
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	8	1.66
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	8	1.66
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	8	1.66
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	7	1.66
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	7	1.66
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	7	1.66
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD11	3	1.66
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD12	3	1.66
(2,653)	1:74:A:ALA:H	1:150:A:ILE:HD13	3	1.66
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	10	1.66
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	10	1.66
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	10	1.66
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	5	1.66
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	5	1.66
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	1	1.66
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	1	1.66
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	1	1.66
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	2	1.65
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	2	1.65
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	2	1.65
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	3	1.65
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	3	1.65
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	3	1.65
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	5	1.65
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	5	1.65
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	5	1.65
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	6	1.65
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD11	4	1.64
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD12	4	1.64
(2,632)	1:129:A:SER:H	1:79:A:ILE:HD13	4	1.64
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	1	1.64
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	1	1.64
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	1	1.64
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	1	1.63
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	1	1.63
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	1	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	5	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	5	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	5	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	5	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	5	1.63
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	5	1.63
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	2	1.63
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	2	1.63
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	2	1.63
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	3	1.63
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	3	1.63
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	3	1.63
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	9	1.63
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	9	1.63
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	9	1.63
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD11	1	1.62
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD12	1	1.62
(2,718)	1:95:A:ASP:H	1:143:A:ILE:HD13	1	1.62
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	3	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	3	1.61
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	3	1.61
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	1	1.61
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	1	1.61
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	1	1.61
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	8	1.6
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	8	1.6
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	8	1.6
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD11	6	1.6
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD12	6	1.6
(2,640)	1:73:A:ASP:H	1:128:A:ILE:HD13	6	1.6
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	9	1.6
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	9	1.6
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	9	1.6
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD11	1	1.6
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD12	1	1.6
(2,616)	1:65:A:VAL:H	1:128:A:ILE:HD13	1	1.6
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	7	1.6
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	7	1.6
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	7	1.6
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	10	1.59
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	10	1.59
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	10	1.59
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	2	1.59
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	2	1.59
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	2	1.59
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	9	1.59
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	9	1.59
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	9	1.59
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	8	1.58
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	8	1.58
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	8	1.58
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	6	1.58
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	6	1.58
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	6	1.58
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	4	1.58
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	4	1.58
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	4	1.58
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	5	1.58
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	5	1.58
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	5	1.58
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE1	10	1.57
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE2	10	1.57
(2,1024)	1:99:A:ASN:H	1:7:A:MET:HE3	10	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	3	1.57
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	3	1.57
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	3	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	3	1.57
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	3	1.57
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	1	1.57
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	5	1.56
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	5	1.56
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	5	1.56
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	4	1.56
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	4	1.56
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	4	1.56
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	10	1.56
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	10	1.56
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD11	8	1.56
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD12	8	1.56
(2,792)	1:14:A:LEU:H	1:130:A:ILE:HD13	8	1.56
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	2	1.56
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	2	1.56
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	2	1.56
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG21	2	1.55
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG22	2	1.55
(2,1081)	1:73:A:ASP:H	1:79:A:ILE:HG23	2	1.55
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	3	1.55
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	3	1.55
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	3	1.55
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	9	1.55
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	9	1.55
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	9	1.55
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	4	1.55
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	4	1.55
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	4	1.55
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	8	1.55
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG11	9	1.54
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG12	9	1.54
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG13	9	1.54
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG21	9	1.54
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG22	9	1.54
(2,1016)	1:12:A:LYS:H	1:151:A:VAL:HG23	9	1.54
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	10	1.54
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	10	1.54
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	10	1.54
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	4	1.54
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	4	1.54
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	4	1.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	2	1.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	2	1.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	2	1.54
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	8	1.53
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	8	1.53
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	8	1.53
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	7	1.53
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	7	1.53
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	7	1.53
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD11	1	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD12	1	1.53
(2,650)	1:73:A:ASP:H	1:79:A:ILE:HD13	1	1.53
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	7	1.53
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	7	1.53
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	7	1.53
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	2	1.53
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	4	1.53
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	4	1.53
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	8	1.52
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	8	1.52
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	8	1.52
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	2	1.52
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	5	1.52
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	6	1.51
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	6	1.51
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	6	1.51
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	6	1.51
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	6	1.51
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	6	1.51
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	8	1.5
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	8	1.5
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	8	1.5
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	10	1.5
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	10	1.5
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	10	1.5
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	3	1.5
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	3	1.5
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	3	1.5
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	10	1.49
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	9	1.49
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	9	1.49
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	9	1.49
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	10	1.49
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	4	1.48
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	4	1.48
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	4	1.48
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	4	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	4	1.48
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	4	1.48
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	8	1.48
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	8	1.48
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	8	1.48
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD11	9	1.48
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD12	9	1.48
(2,565)	1:16:A:GLN:H	1:18:A:ILE:HD13	9	1.48
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	6	1.48
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	4	1.47
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	4	1.47
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	4	1.47
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	5	1.47
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	5	1.47
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	5	1.47
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	10	1.47
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	10	1.47
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	10	1.47
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	10	1.47
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	10	1.47
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	10	1.47
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	5	1.47
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	7	1.46
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	7	1.46
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	7	1.46
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	8	1.46
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	8	1.46
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	8	1.46
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	6	1.46
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	6	1.46
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	6	1.46
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	6	1.46
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	8	1.45
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	8	1.45
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	8	1.45
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	1	1.45
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	1	1.45
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	1	1.45
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	1	1.45
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	1	1.45
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	1	1.45
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	7	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	7	1.45
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	7	1.45
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	1	1.45
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	1	1.45
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	1	1.45
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	5	1.45
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	3	1.45
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	7	1.45
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	3	1.45
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	7	1.45
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	10	1.44
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	10	1.44
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	10	1.44
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	7	1.44
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	7	1.44
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	7	1.44
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	1	1.44
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	1	1.44
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	1	1.44
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	8	1.44
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	8	1.44
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	8	1.44
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	10	1.44
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB1	6	1.43
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB2	6	1.43
(2,871)	1:75:A:GLY:H	1:20:A:ALA:HB3	6	1.43
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	10	1.43
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	10	1.43
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	10	1.43
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	5	1.42
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	5	1.42
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	5	1.42
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	8	1.42
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	8	1.42
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	8	1.42
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	5	1.42
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	5	1.42
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	5	1.42
(2,113)	1:52:A:ARG:H	1:48:A:THR:H	6	1.42
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	8	1.41
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	8	1.41
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	8	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	2	1.41
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	2	1.41
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	2	1.41
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	2	1.41
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	2	1.41
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	2	1.41
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	7	1.41
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	7	1.41
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	7	1.41
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	5	1.41
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	5	1.41
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	5	1.41
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	2	1.4
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	2	1.4
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	2	1.4
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	1	1.4
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	1	1.4
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	1	1.4
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	1	1.4
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	1	1.4
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	1	1.4
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	1	1.4
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	1	1.4
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	1	1.4
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	6	1.39
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	6	1.39
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	6	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	3	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	3	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	3	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	3	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	3	1.39
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	3	1.39
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	3	1.39
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	3	1.39
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	3	1.39
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	3	1.39
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	3	1.39
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	3	1.39
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	8	1.39
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	8	1.39
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	8	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	3	1.39
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	3	1.39
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	3	1.39
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	10	1.39
(2,458)	1:174:A:VAL:H	1:170:A:ALA:H	9	1.39
(2,113)	1:52:A:ARG:H	1:48:A:THR:H	8	1.39
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	10	1.38
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	10	1.38
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	10	1.38
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	10	1.38
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	10	1.38
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	10	1.38
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	2	1.38
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	2	1.38
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	2	1.38
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	2	1.38
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	2	1.38
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	2	1.38
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	5	1.38
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	5	1.38
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	5	1.38
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	2	1.37
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	2	1.37
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	2	1.37
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	8	1.37
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	5	1.36
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	5	1.36
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	5	1.36
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	6	1.36
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	6	1.36
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	6	1.36
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	2	1.36
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	2	1.36
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	2	1.36
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD11	4	1.36
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD12	4	1.36
(2,570)	1:16:A:GLN:H	1:130:A:ILE:HD13	4	1.36
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	2	1.36
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	4	1.35
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	4	1.35
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	4	1.35
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	10	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	9	1.34
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	9	1.34
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	9	1.34
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	9	1.34
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	9	1.34
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	9	1.34
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	7	1.34
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	7	1.34
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	7	1.34
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	7	1.34
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	2	1.34
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	1	1.34
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	5	1.34
(2,113)	1:52:A:ARG:H	1:48:A:THR:H	10	1.34
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	7	1.33
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	7	1.33
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	7	1.33
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	4	1.33
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	4	1.33
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	4	1.33
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	8	1.33
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	8	1.33
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	8	1.33
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	10	1.32
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	10	1.32
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	10	1.32
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	1	1.32
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	1	1.32
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	1	1.32
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	3	1.32
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	3	1.32
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	3	1.32
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	1	1.32
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	3	1.32
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	1	1.32
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	8	1.32
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	7	1.31
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	7	1.31
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	7	1.31
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	9	1.31
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	9	1.31
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	9	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	7	1.31
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	7	1.31
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	7	1.31
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD11	5	1.31
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD12	5	1.31
(2,627)	1:68:A:TYR:H	1:130:A:ILE:HD13	5	1.31
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	10	1.31
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	10	1.31
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	10	1.31
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	4	1.3
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	4	1.3
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	4	1.3
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	2	1.3
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	2	1.3
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	2	1.3
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	10	1.3
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	10	1.3
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	10	1.3
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	2	1.3
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	2	1.3
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	2	1.3
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	2	1.3
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	4	1.3
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	2	1.3
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	1	1.3
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	7	1.29
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	7	1.29
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	7	1.29
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	7	1.29
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	7	1.29
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	7	1.29
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	4	1.29
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	4	1.29
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	4	1.29
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	10	1.28
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	10	1.28
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	10	1.28
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	9	1.28
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	9	1.28
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	9	1.28
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	6	1.28
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	6	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	1	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	1	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	1	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	5	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	5	1.28
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	5	1.28
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	7	1.28
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	9	1.28
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	9	1.28
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	9	1.28
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	6	1.27
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	6	1.27
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	6	1.27
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	10	1.27
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	10	1.27
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	10	1.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	10	1.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	10	1.27
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	10	1.27
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	5	1.26
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	5	1.26
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	5	1.26
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	6	1.26
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	7	1.26
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	6	1.26
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	7	1.26
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	3	1.25
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	3	1.25
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	3	1.25
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	1	1.25
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	1	1.25
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	1	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	5	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	5	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	5	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	5	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	5	1.25
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	5	1.25
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	4	1.25
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	4	1.25
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	2	1.25
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	2	1.25
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	2	1.25
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	9	1.24
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	9	1.24
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	9	1.24
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	4	1.24
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	4	1.24
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	4	1.24
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	2	1.24
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	2	1.24
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	2	1.24
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	2	1.24
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	2	1.24
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	2	1.24
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	3	1.24
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	3	1.24
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	3	1.24
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	3	1.24
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	3	1.24
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	9	1.23
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	9	1.23
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	9	1.23
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG21	8	1.23
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG22	8	1.23
(2,1148)	1:77:A:LYS:H	1:130:A:ILE:HG23	8	1.23
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	10	1.23
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	10	1.23
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	10	1.23
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	9	1.23
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	9	1.23
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	3	1.23
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	9	1.22
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	9	1.22
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	9	1.22
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	7	1.22
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	2	1.21
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	2	1.21
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	2	1.21
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	2	1.21
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	2	1.21
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	8	1.21
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	4	1.21
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	9	1.2
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	9	1.2
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	9	1.2
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	2	1.2
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	2	1.2
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	2	1.2
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	9	1.2
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	9	1.2
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	9	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	5	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	5	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	5	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	9	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	9	1.2
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	9	1.2
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	6	1.2
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	6	1.2
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	6	1.2
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	2	1.2
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	3	1.19
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	3	1.19
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	3	1.19
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD11	9	1.19
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD12	9	1.19
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD13	9	1.19
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	4	1.19
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	8	1.19
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	4	1.19
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	8	1.19
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	1	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	9	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	9	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	9	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	9	1.18
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	9	1.18
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	10	1.18
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	10	1.18
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	10	1.18
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	4	1.17
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	4	1.17
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	4	1.17
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	5	1.17
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	5	1.17
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	9	1.17
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	4	1.17
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	8	1.16
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	8	1.16
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	8	1.16
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	10	1.16
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	10	1.16
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	10	1.16
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	5	1.16
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	5	1.16
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	5	1.16
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD11	7	1.16
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD12	7	1.16
(2,594)	1:27:A:LEU:H	1:89:A:ILE:HD13	7	1.16
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	8	1.16
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	8	1.16
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	8	1.16
(2,534)	1:20:A:ALA:H	1:16:A:GLN:H	4	1.16
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	2	1.16
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	7	1.16
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	8	1.16
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	8	1.16
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	8	1.16
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	1	1.15
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	1	1.15
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	1	1.15
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	4	1.15
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	4	1.15
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	4	1.15
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	9	1.15
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	9	1.15
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	9	1.15
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	4	1.14
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	4	1.14
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	4	1.14
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	3	1.14
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	3	1.14
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	3	1.14
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB1	6	1.14
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB2	6	1.14
(2,818)	1:149:A:GLU:H	1:25:A:ALA:HB3	6	1.14
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	7	1.14
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	7	1.14
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	7	1.14
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	6	1.13
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	6	1.13
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	6	1.13
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	1	1.13
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	1	1.13
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	1	1.13
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	7	1.13
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	7	1.13
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	7	1.13
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD11	1	1.13
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD12	1	1.13
(2,659)	1:78:A:ALA:H	1:128:A:ILE:HD13	1	1.13
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	3	1.13
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	3	1.13
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	2	1.13
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	2	1.13
(2,128)	1:63:A:GLY:H	1:38:A:SER:H	1	1.13
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB1	6	1.12
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB2	6	1.12
(2,868)	1:79:A:ILE:H	1:20:A:ALA:HB3	6	1.12
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	6	1.12
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	6	1.12
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	6	1.12
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD11	9	1.12
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD12	9	1.12
(2,572)	1:84:A:GLN:H	1:130:A:ILE:HD13	9	1.12
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	4	1.12
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	4	1.12
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	4	1.12
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	1	1.11
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	1	1.11
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	1	1.11
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	4	1.11
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	4	1.1
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	4	1.1
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	4	1.1
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	4	1.1
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	4	1.1
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	4	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD11	1	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD12	1	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD13	1	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD21	1	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD22	1	1.1
(2,955)	1:95:A:ASP:H	1:146:A:LEU:HD23	1	1.1
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	5	1.1
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	5	1.1
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	5	1.1
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	5	1.1
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	5	1.1
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	5	1.1
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD11	8	1.1
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD12	8	1.1
(2,581)	1:19:A:ASP:H	1:79:A:ILE:HD13	8	1.1
(2,540)	1:109:A:GLY:H	1:14:A:LEU:H	10	1.1
(2,510)	1:14:A:LEU:H	1:109:A:GLY:H	10	1.1
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	4	1.1
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	6	1.1
(2,235)	1:83:A:TYR:H	1:89:A:ILE:H	5	1.1
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	3	1.09
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	3	1.09
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	3	1.09
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	10	1.09
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	10	1.09
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	10	1.09
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	8	1.09
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	8	1.09
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	8	1.09
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	9	1.09
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	9	1.09
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	3	1.08
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	3	1.08
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	3	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG11	7	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG12	7	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG13	7	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG21	7	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG22	7	1.08
(2,994)	1:27:A:LEU:H	1:151:A:VAL:HG23	7	1.08
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	2	1.08
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	2	1.08
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	2	1.08
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	6	1.08
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	6	1.08
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	6	1.08
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	7	1.08
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	7	1.08
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	7	1.08
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	7	1.08
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	6	1.07
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	6	1.07
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	6	1.07
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	2	1.07
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	2	1.07
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	2	1.07
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	10	1.07
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	10	1.07
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	1	1.06
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	1	1.06
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	1	1.06
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	5	1.06
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	5	1.06
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	5	1.06
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD11	5	1.06
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD12	5	1.06
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD13	5	1.06
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	2	1.06
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	2	1.06
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	2	1.06
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	3	1.06
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	2	1.06
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	2	1.06
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	5	1.05
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	5	1.05
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	5	1.05
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	9	1.05
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	9	1.05
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	9	1.05
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	6	1.05
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	6	1.05
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	6	1.05
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	6	1.05
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	6	1.05
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	6	1.05
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	6	1.05
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	6	1.05
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	6	1.05
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	10	1.05
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	10	1.05
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	10	1.05
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	3	1.05
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	10	1.04
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	10	1.04
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	10	1.04
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	6	1.04
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	6	1.04
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	6	1.04
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	5	1.04
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	5	1.04
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	5	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	1	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	1	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	1	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	6	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	6	1.04
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	6	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	1	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	1	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	1	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	6	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	6	1.04
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	6	1.04
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	6	1.03
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	6	1.03
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	6	1.03
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	6	1.03
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	6	1.03
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	8	1.03
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	8	1.03
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	8	1.03
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	8	1.03
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	8	1.03
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	8	1.03
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	6	1.03
(2,438)	1:167:A:THR:H	1:170:A:ALA:H	3	1.03
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	7	1.02
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	7	1.02
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	7	1.02
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	10	1.02
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	10	1.02
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	10	1.02
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD11	8	1.02
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD12	8	1.02
(2,708)	1:92:A:TRP:H	1:130:A:ILE:HD13	8	1.02
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	8	1.02
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	8	1.02
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	8	1.02
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	9	1.02
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	9	1.02
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	9	1.02
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	5	1.02
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	5	1.02
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	9	1.02
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	9	1.02
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	9	1.02
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	4	1.01
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	4	1.01
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	4	1.01
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	10	1.01
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	10	1.01
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	10	1.01
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG21	9	1.01
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG22	9	1.01
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG23	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	7	1.01
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	7	1.01
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	7	1.01
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	2	1.01
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	2	1.01
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	6	1.0
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	6	1.0
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	6	1.0
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	8	1.0
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	8	1.0
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	8	1.0
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	8	1.0
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	8	1.0
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	8	1.0
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	4	1.0
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	4	1.0
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	4	1.0
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD11	5	1.0
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD12	5	1.0
(2,656)	1:77:A:LYS:H	1:130:A:ILE:HD13	5	1.0
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	1	1.0
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	1	1.0
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	1	1.0
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	7	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	7	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	7	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	7	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	7	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	7	0.99
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	2	0.99
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	2	0.99
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	2	0.99
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	5	0.99
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	5	0.99
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	5	0.99
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	1	0.99
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	1	0.99
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	2	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	2	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	2	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	2	0.98
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	2	0.98
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	10	0.98
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	10	0.98
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	10	0.98
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	3	0.98
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	3	0.98
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	3	0.98
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	8	0.98
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	8	0.98
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	10	0.97
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	10	0.97
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	10	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	3	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	3	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	3	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	3	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	3	0.97
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	3	0.97
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	6	0.97
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	6	0.97
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	6	0.97
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	8	0.96
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	8	0.96
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	8	0.96
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	9	0.96
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	9	0.96
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	9	0.96
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD11	9	0.96
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD12	9	0.96
(2,710)	1:81:A:ASP:H	1:130:A:ILE:HD13	9	0.96
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	9	0.96
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	9	0.96
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	9	0.96
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD11	9	0.96
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD12	9	0.96
(2,682)	1:81:A:ASP:H	1:130:A:ILE:HD13	9	0.96
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	4	0.96
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	4	0.96
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	4	0.96
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	4	0.96
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	4	0.96
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	7	0.96
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	4	0.96
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	4	0.96
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	4	0.96
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	9	0.95
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	9	0.95
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	9	0.95
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	9	0.95
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	9	0.95
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	9	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	6	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	6	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	6	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	8	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	8	0.95
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	8	0.95
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	10	0.95
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	10	0.95
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	10	0.95
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	4	0.95
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	2	0.94
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	2	0.94
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	2	0.94
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD11	2	0.94
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD12	2	0.94
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD13	2	0.94
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	6	0.94
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	5	0.93
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	5	0.93
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	5	0.93
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	1	0.93
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	1	0.93
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	1	0.93
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	5	0.93
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	5	0.93
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	5	0.93
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD11	7	0.93
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD12	7	0.93
(2,622)	1:67:A:TYR:H	1:79:A:ILE:HD13	7	0.93
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD11	3	0.93
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD12	3	0.93
(2,569)	1:16:A:GLN:H	1:150:A:ILE:HD13	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	7	0.93
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	9	0.93
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	9	0.93
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	8	0.92
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	8	0.92
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	8	0.92
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	9	0.92
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	9	0.92
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	9	0.92
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	5	0.92
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	5	0.92
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	5	0.92
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD11	1	0.92
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD12	1	0.92
(2,694)	1:89:A:ILE:H	1:135:A:ILE:HD13	1	0.92
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	5	0.92
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	8	0.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	8	0.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	8	0.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	8	0.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	8	0.91
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	8	0.91
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB1	4	0.91
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB2	4	0.91
(2,838)	1:24:A:SER:H	1:74:A:ALA:HB3	4	0.91
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	2	0.91
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	2	0.91
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	2	0.91
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	6	0.91
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	6	0.91
(2,211)	1:80:A:GLU:H	1:73:A:ASP:H	9	0.91
(2,173)	1:73:A:ASP:H	1:80:A:GLU:H	9	0.91
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	6	0.9
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	6	0.9
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	6	0.9
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	8	0.9
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	8	0.9
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	8	0.9
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	5	0.9
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	5	0.9
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	5	0.9
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	4	0.9
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	6	0.89
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	6	0.89
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	6	0.89
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	6	0.89
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	6	0.89
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	6	0.89
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	8	0.89
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	8	0.89
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	8	0.89
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	3	0.89
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	3	0.89
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	3	0.89
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	8	0.89
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	10	0.89
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	10	0.89
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	7	0.88
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	7	0.88
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	7	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	5	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	5	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	5	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	5	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	5	0.88
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	5	0.88
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	5	0.88
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	5	0.88
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	5	0.88
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	6	0.88
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	6	0.88
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	6	0.88
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	2	0.88
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	2	0.88
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	2	0.88
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	9	0.88
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	2	0.88
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	6	0.88
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	6	0.88
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	7	0.88
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	4	0.88
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	10	0.88
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG21	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG22	8	0.87
(2,1151)	1:81:A:ASP:H	1:130:A:ILE:HG23	8	0.87
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	7	0.87
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	7	0.87
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	7	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	8	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	8	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	8	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	8	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	8	0.87
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	8	0.87
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	9	0.87
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	9	0.87
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	9	0.87
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	1	0.87
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	1	0.87
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	1	0.87
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	1	0.87
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	1	0.87
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	1	0.87
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	1	0.87
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	1	0.87
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	1	0.87
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	9	0.87
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	9	0.87
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	9	0.87
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	8	0.87
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	1	0.87
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	8	0.87
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	10	0.86
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	10	0.86
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	10	0.86
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	8	0.86
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	8	0.86
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	8	0.86
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	9	0.86
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	9	0.86
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	9	0.86
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	10	0.86
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	10	0.86
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	2	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	2	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	2	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	2	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	2	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	10	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	10	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	10	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	10	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	10	0.85
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	10	0.85
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	10	0.85
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	8	0.85
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	8	0.85
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	8	0.85
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	3	0.85
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	3	0.85
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	3	0.85
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	7	0.85
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	7	0.85
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	7	0.85
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	8	0.85
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	8	0.85
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	3	0.85
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	3	0.85
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	8	0.84
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	8	0.84
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	8	0.84
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	8	0.84
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	8	0.84
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	8	0.84
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	4	0.84
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	4	0.84
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	4	0.84
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD11	1	0.84
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD12	1	0.84
(2,716)	1:93:A:ARG:H	1:143:A:ILE:HD13	1	0.84
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	6	0.83
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	6	0.83
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	6	0.83
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	6	0.83
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	6	0.83
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD11	10	0.83
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD12	10	0.83
(2,794)	1:111:A:ALA:H	1:130:A:ILE:HD13	10	0.83
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	2	0.83
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	2	0.83
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	2	0.83
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	9	0.83
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG21	5	0.82
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG22	5	0.82
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG23	5	0.82
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	3	0.82
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	3	0.82
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	3	0.82
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	4	0.82
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	4	0.82
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	4	0.82
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	2	0.82
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	2	0.82
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	2	0.82
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	4	0.82
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	4	0.82
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	4	0.82
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	6	0.82
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	3	0.82
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	3	0.82
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	4	0.82
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	4	0.82
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	3	0.82
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	5	0.81
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	5	0.81
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	5	0.81
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	4	0.81
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	8	0.81
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	7	0.81
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	9	0.81
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	9	0.81
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	8	0.81
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	6	0.8
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	6	0.8
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	6	0.8
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	8	0.8
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	8	0.8
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	8	0.8
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	9	0.8
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	9	0.8
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	9	0.8
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	7	0.8
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	7	0.8
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	7	0.8
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	2	0.8
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	2	0.8
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	2	0.8
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	6	0.8
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	8	0.8
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	8	0.8
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	3	0.8
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG21	3	0.79
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG22	3	0.79
(2,1165)	1:92:A:TRP:H	1:150:A:ILE:HG23	3	0.79
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG21	2	0.79
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG22	2	0.79
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG23	2	0.79
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	9	0.79
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	9	0.79
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	9	0.79
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	10	0.79
(2,395)	1:141:A:GLY:H	1:108:A:PHE:H	5	0.79
(2,327)	1:108:A:PHE:H	1:141:A:GLY:H	5	0.79
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	10	0.79
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	8	0.78
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	8	0.78
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	8	0.78
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	8	0.78
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	8	0.78
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	8	0.78
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	1	0.78
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	1	0.78
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	2	0.78
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	2	0.78
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	2	0.78
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	7	0.78
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	1	0.78
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	6	0.78
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	6	0.78
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	6	0.77
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	6	0.77
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	6	0.77
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD11	8	0.77
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD12	8	0.77
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD13	8	0.77
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	7	0.77
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	7	0.77
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	7	0.77
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD11	1	0.77
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD12	1	0.77
(2,651)	1:74:A:ALA:H	1:79:A:ILE:HD13	1	0.77
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	5	0.77
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	9	0.77
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	8	0.76
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	8	0.76
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	8	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	6	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	6	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	6	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	6	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	6	0.76
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	6	0.76
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	10	0.76
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	10	0.76
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	10	0.76
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	3	0.76
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	3	0.76
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	3	0.76
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	5	0.76
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	5	0.76
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	5	0.76
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	1	0.76
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	1	0.76
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	5	0.76
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	5	0.76
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	5	0.76
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	3	0.76
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	3	0.76
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	3	0.76
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	6	0.76
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	5	0.76
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	5	0.76
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	5	0.76
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	1	0.75
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	1	0.75
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	1	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	6	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	6	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	6	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	6	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	6	0.75
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	6	0.75
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	7	0.75
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	7	0.75
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	7	0.75
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD11	3	0.75
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD12	3	0.75
(2,709)	1:92:A:TRP:H	1:150:A:ILE:HD13	3	0.75
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	7	0.75
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	7	0.75
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	7	0.75
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	8	0.75
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	10	0.75
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	10	0.75
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	2	0.75
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	10	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	10	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	10	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	10	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	10	0.74
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	10	0.74
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG11	1	0.74
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG12	1	0.74
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG13	1	0.74
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG21	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG22	1	0.74
(2,1015)	1:148:A:GLU:H	1:153:A:VAL:HG23	1	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	9	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	9	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	9	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	9	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	9	0.74
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	9	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	3	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	3	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	3	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	7	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	7	0.74
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	7	0.74
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	8	0.74
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	8	0.74
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	8	0.74
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	7	0.74
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	7	0.74
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	2	0.73
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	2	0.73
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	2	0.73
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	1	0.73
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	1	0.73
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	1	0.73
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	4	0.73
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	4	0.73
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	4	0.73
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	7	0.73
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	7	0.73
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	7	0.73
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	4	0.73
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	9	0.73
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	4	0.73
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	4	0.73
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	7	0.73
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	7	0.73
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	7	0.73
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	6	0.72
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	6	0.72
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	6	0.72
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	2	0.72
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	2	0.72
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	10	0.72
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	10	0.72
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	10	0.72
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	3	0.72
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	4	0.72
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	5	0.72
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	3	0.72
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	3	0.72
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	3	0.72
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	4	0.72
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	1	0.72
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	2	0.72
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	7	0.72
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	10	0.72
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	10	0.72
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	10	0.72
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	9	0.71
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	9	0.71
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	9	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	8	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	8	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	8	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	8	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	8	0.71
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	8	0.71
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	4	0.71
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	4	0.71
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	4	0.71
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	4	0.71
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	4	0.71
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	4	0.71
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	2	0.71
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	2	0.71
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	2	0.71
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	7	0.71
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	7	0.71
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	7	0.71
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	7	0.71
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	4	0.71
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	9	0.71
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	4	0.71
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	10	0.71
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	4	0.71
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	10	0.71
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB1	6	0.7
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB2	6	0.7
(2,913)	1:102:A:ASP:H	1:106:A:ALA:HB3	6	0.7
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	6	0.7
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	6	0.7
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	6	0.7
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	1	0.7
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	1	0.7
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	1	0.7
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	6	0.7
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	6	0.7
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	6	0.7
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	5	0.7
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	5	0.7
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	5	0.7
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD11	3	0.7
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD12	3	0.7
(2,557)	1:12:A:LYS:H	1:6:A:ILE:HD13	3	0.7
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	10	0.7
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	9	0.7
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD11	3	0.7
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD12	3	0.7
(1,8)	1:12:A:LYS:H	1:6:A:ILE:HD13	3	0.7
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	8	0.69
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	8	0.69
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	8	0.69
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	8	0.69
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	8	0.69
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	8	0.69
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	5	0.69
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	5	0.69
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	5	0.69
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD11	4	0.69
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD12	4	0.69
(2,700)	1:90:A:LYS:H	1:135:A:ILE:HD13	4	0.69
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	5	0.69
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	5	0.69
(2,518)	1:111:A:ALA:H	1:92:A:TRP:HE1	8	0.69
(2,498)	1:14:A:LEU:H	1:91:A:PHE:H	10	0.69
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	1	0.69
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	1	0.69
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	3	0.68
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	3	0.68
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	3	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	4	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	4	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	4	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	6	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	6	0.68
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	6	0.68
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD11	10	0.68
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD12	10	0.68
(2,780)	1:92:A:TRP:HE1	1:150:A:ILE:HD13	10	0.68
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	2	0.68
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	2	0.68
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	2	0.68
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	1	0.68
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	1	0.68
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	1	0.68
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	3	0.68
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	3	0.68
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	3	0.68
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	5	0.68
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	1	0.68
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	1	0.68
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	3	0.68
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	5	0.68
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	3	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	3	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	3	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	3	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	7	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	7	0.67
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	7	0.67
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	5	0.67
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	5	0.67
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	5	0.67
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	9	0.67
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	9	0.67
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	9	0.67
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	9	0.67
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	9	0.67
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	9	0.67
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	9	0.67
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD11	5	0.67
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD12	5	0.67
(2,724)	1:108:A:PHE:H	1:143:A:ILE:HD13	5	0.67
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	8	0.67
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	8	0.67
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	8	0.67
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	3	0.67
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	3	0.67
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	3	0.67
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	2	0.67
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	3	0.67
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	2	0.66
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	2	0.66
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	2	0.66
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	9	0.66
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	9	0.66
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	9	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	2	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	2	0.66
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	2	0.66
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	6	0.66
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	6	0.66
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	6	0.66
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	9	0.66
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	9	0.66
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	9	0.66
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	2	0.66
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	2	0.66
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	2	0.66
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	2	0.66
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	8	0.66
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	2	0.66
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	2	0.66
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	4	0.66
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	1	0.66
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	4	0.66
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	1	0.66
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	6	0.65
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	6	0.65
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	6	0.65
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	6	0.65
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	6	0.65
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	6	0.65
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	10	0.65
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	10	0.65
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	10	0.65
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD11	5	0.65
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD12	5	0.65
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD13	5	0.65
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	10	0.65
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	10	0.65
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	2	0.65
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	2	0.65
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	3	0.64
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	3	0.64
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	3	0.64
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	8	0.64
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	8	0.64
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	8	0.64
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	3	0.64
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	3	0.64
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	3	0.64
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	5	0.64
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	5	0.64
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG11	4	0.63
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG12	4	0.63
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG13	4	0.63
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG21	4	0.63
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG22	4	0.63
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG23	4	0.63
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	4	0.63
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	4	0.63
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	4	0.63
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	1	0.63
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	1	0.63
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	1	0.63
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	7	0.63
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	7	0.63
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	7	0.63
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	1	0.63
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	1	0.63
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	1	0.63
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	6	0.63
(2,349)	1:117:A:GLU:H	1:128:A:ILE:H	10	0.63
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	6	0.63
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	3	0.63
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	3	0.63
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	10	0.62
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	10	0.62
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	10	0.62
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	5	0.62
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	5	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD11	6	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD12	6	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD13	6	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD11	10	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD12	10	0.62
(2,722)	1:106:A:ALA:H	1:143:A:ILE:HD13	10	0.62
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	9	0.62
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	9	0.62
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	9	0.62
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	3	0.62
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	3	0.62
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	3	0.62
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	2	0.62
(2,201)	1:78:A:ALA:H	1:73:A:ASP:H	7	0.62
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	5	0.62
(2,177)	1:73:A:ASP:H	1:78:A:ALA:H	7	0.62
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	5	0.62
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	7	0.62
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	7	0.62
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	5	0.61
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	5	0.61
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	5	0.61
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	5	0.61
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	5	0.61
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	5	0.61
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	9	0.61
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	9	0.61
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	9	0.61
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	8	0.61
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	8	0.61
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	8	0.61
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	9	0.61
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	9	0.61
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	10	0.61
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	10	0.61
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	8	0.6
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	8	0.6
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	8	0.6
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	3	0.6
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	3	0.6
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	3	0.6
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	10	0.6
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	10	0.6
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	10	0.6
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	1	0.6
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	1	0.6
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	1	0.6
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	8	0.6
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	8	0.6
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	8	0.6
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD11	4	0.6
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD12	4	0.6
(2,608)	1:48:A:THR:H	1:53:A:ILE:HD13	4	0.6
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	10	0.6
(2,349)	1:117:A:GLU:H	1:128:A:ILE:H	8	0.6
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	10	0.6
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	6	0.59
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	6	0.59
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	7	0.59
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	7	0.59
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	7	0.59
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	9	0.59
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	9	0.59
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	9	0.59
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	9	0.59
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	9	0.59
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	9	0.59
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	9	0.59
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	10	0.59
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	9	0.59
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	9	0.59
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	9	0.59
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG11	7	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG12	7	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG13	7	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG21	7	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG22	7	0.58
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG23	7	0.58
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	8	0.58
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	8	0.58
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	8	0.58
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	8	0.57
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	8	0.57
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	8	0.57
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	8	0.57
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	8	0.57
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	8	0.57
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	5	0.57
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	5	0.57
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	5	0.57
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD11	5	0.57
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD12	5	0.57
(2,723)	1:107:A:GLN:H	1:143:A:ILE:HD13	5	0.57
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	5	0.57
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	7	0.57
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	6	0.57
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	6	0.57
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	1	0.57
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	1	0.57
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG11	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG12	10	0.56
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG13	10	0.56
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG21	10	0.56
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG22	10	0.56
(2,995)	1:27:A:LEU:H	1:153:A:VAL:HG23	10	0.56
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	10	0.56
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	10	0.56
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	10	0.56
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD11	9	0.56
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD12	9	0.56
(2,745)	1:131:A:SER:H	1:79:A:ILE:HD13	9	0.56
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	2	0.56
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	2	0.56
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	2	0.56
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	8	0.56
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	8	0.56
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	8	0.56
(2,314)	1:104:A:TYR:H	1:141:A:GLY:H	4	0.56
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG11	10	0.55
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG12	10	0.55
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG13	10	0.55
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG21	10	0.55
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG22	10	0.55
(2,982)	1:28:A:PHE:H	1:94:A:VAL:HG23	10	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	2	0.55
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	2	0.55
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	2	0.55
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	8	0.55
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	8	0.55
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	8	0.55
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	5	0.55
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	5	0.55
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	5	0.55
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	8	0.55
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	8	0.55
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	8	0.55
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD11	4	0.55
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD12	4	0.55
(2,755)	1:144:A:ASP:H	1:150:A:ILE:HD13	4	0.55
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	6	0.55
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	6	0.55
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	6	0.55
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	6	0.55
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	8	0.55
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	8	0.55
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD11	5	0.54
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD12	5	0.54
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD13	5	0.54
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	10	0.54
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	10	0.54
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	10	0.54
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	6	0.54
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	6	0.54
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	6	0.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	3	0.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	3	0.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	4	0.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	4	0.54
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	4	0.54
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD11	3	0.54
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD12	3	0.54
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD13	3	0.54
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG21	7	0.53
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG22	7	0.53
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG23	7	0.53
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG21	4	0.53
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG22	4	0.53
(2,1026)	1:94:A:VAL:H	1:96:A:THR:HG23	4	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	5	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	5	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	5	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	5	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	5	0.53
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	5	0.53
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD11	2	0.53
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD12	2	0.53
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD13	2	0.53
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	9	0.53
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	1	0.53
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB1	10	0.52
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB2	10	0.52
(2,927)	1:145:A:THR:H	1:106:A:ALA:HB3	10	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	3	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	3	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	3	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	4	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	4	0.52
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	4	0.52
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	7	0.52
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	7	0.52
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	7	0.52
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	5	0.52
(2,452)	1:172:A:GLY:H	1:169:A:GLU:H	5	0.52
(2,441)	1:169:A:GLU:H	1:172:A:GLY:H	5	0.52
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	6	0.52
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	5	0.52
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	6	0.52
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	3	0.52
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	5	0.52
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	2	0.52
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	2	0.52
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	10	0.51
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	10	0.51
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	10	0.51
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	10	0.51
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG21	1	0.51
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG22	1	0.51
(2,1132)	1:102:A:ASP:H	1:143:A:ILE:HG23	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	1	0.51
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	1	0.51
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	9	0.51
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	9	0.51
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	9	0.51
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	6	0.51
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	6	0.51
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	6	0.51
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	1	0.51
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	1	0.51
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	1	0.51
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	4	0.51
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	4	0.51
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	4	0.51
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	5	0.51
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	5	0.51
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	5	0.51
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	7	0.51
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	9	0.51
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	2	0.5
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	2	0.5
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	2	0.5
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	6	0.5
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	6	0.5
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	6	0.5
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	6	0.5
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	6	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	2	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	3	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	3	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	3	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	3	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	3	0.5
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	3	0.5
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	2	0.5
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	2	0.5
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	2	0.5
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	10	0.5
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	10	0.5
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	10	0.5
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	6	0.5
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	6	0.5
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	1	0.49
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	1	0.49
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	1	0.49
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	10	0.49
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	10	0.49
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	10	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	1	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	1	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	1	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	10	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	10	0.49
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	10	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	1	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	1	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	1	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	1	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	1	0.49
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	1	0.49
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	6	0.49
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	6	0.49
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	2	0.49
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	2	0.49
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	2	0.49
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	1	0.49
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	1	0.49
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	1	0.49
(2,349)	1:117:A:GLU:H	1:128:A:ILE:H	6	0.49
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	6	0.49
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	4	0.49
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	4	0.49
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	4	0.49
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	4	0.48
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	3	0.48
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	7	0.48
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	7	0.48
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	7	0.48
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD11	5	0.48
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD12	5	0.48
(2,781)	1:92:A:TRP:HE3	1:150:A:ILE:HD13	5	0.48
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	2	0.48
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	2	0.48
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	2	0.48
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD11	4	0.48
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD12	4	0.48
(2,666)	1:146:A:LEU:H	1:143:A:ILE:HD13	4	0.48
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	9	0.48
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	9	0.48
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	9	0.48
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	4	0.48
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	4	0.48
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	5	0.48
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	8	0.48
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	8	0.48
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	7	0.48
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	7	0.48
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	7	0.48
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG21	3	0.47
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG22	3	0.47
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG23	3	0.47
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB1	10	0.47
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB2	10	0.47
(2,909)	1:99:A:ASN:H	1:106:A:ALA:HB3	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	8	0.47
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	8	0.47
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	8	0.47
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD11	10	0.47
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD12	10	0.47
(2,705)	1:92:A:TRP:H	1:89:A:ILE:HD13	10	0.47
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	7	0.46
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	7	0.46
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	7	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG11	3	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG12	3	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG13	3	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG21	3	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG22	3	0.46
(2,991)	1:149:A:GLU:H	1:153:A:VAL:HG23	3	0.46
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	7	0.46
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	7	0.46
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	7	0.46
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD11	7	0.46
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD12	7	0.46
(2,604)	1:88:A:GLN:H	1:135:A:ILE:HD13	7	0.46
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	6	0.46
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	10	0.46
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	6	0.46
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	10	0.46
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	6	0.46
(2,72)	1:24:A:SER:H	1:21:A:ALA:H	8	0.46
(2,60)	1:21:A:ALA:H	1:24:A:SER:H	8	0.46
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	8	0.45
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	8	0.45
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	8	0.45
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	3	0.45
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	3	0.45
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	3	0.45
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG21	1	0.45
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG22	1	0.45
(2,1036)	1:102:A:ASP:H	1:145:A:THR:HG23	1	0.45
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	7	0.45
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	7	0.45
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	7	0.45
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	7	0.45
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	7	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	1	0.45
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	1	0.45
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	1	0.45
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	1	0.45
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	1	0.45
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	1	0.45
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	1	0.45
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	1	0.45
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	9	0.45
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	9	0.45
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	9	0.45
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	1	0.45
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	1	0.45
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	1	0.45
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	1	0.45
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	1	0.45
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	1	0.45
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD11	6	0.45
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD12	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD13	6	0.45
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	3	0.45
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	1	0.45
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	3	0.45
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	4	0.45
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	8	0.45
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	1	0.45
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	3	0.45
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	3	0.45
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	9	0.45
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	4	0.44
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	4	0.44
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	4	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	1	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	1	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	1	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	6	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	6	0.44
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	6	0.44
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	8	0.44
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	8	0.44
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	8	0.44
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	8	0.44
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	2	0.44
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	9	0.44
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	9	0.44
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	6	0.44
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	9	0.43
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	9	0.43
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	9	0.43
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	10	0.43
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	10	0.43
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	10	0.43
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	10	0.43
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	4	0.43
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	1	0.43
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	7	0.42
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	4	0.42
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	4	0.42
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	4	0.42
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	5	0.42
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	5	0.42
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG21	9	0.42
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG22	9	0.42
(2,1145)	1:76:A:GLN:H	1:130:A:ILE:HG23	9	0.42
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	4	0.42
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	4	0.42
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	4	0.42
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG21	4	0.42
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG22	4	0.42
(2,1106)	1:12:A:LYS:H	1:6:A:ILE:HG23	4	0.42
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	2	0.42
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	2	0.42
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	2	0.42
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD11	10	0.42
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD12	10	0.42
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD13	10	0.42
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	7	0.41
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	7	0.41
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	7	0.41
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	2	0.41
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	2	0.41
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	2	0.41
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD11	1	0.41
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD12	1	0.41
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD13	1	0.41
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD11	3	0.41
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD12	3	0.41
(2,721)	1:105:A:ASP:H	1:143:A:ILE:HD13	3	0.41
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	1	0.41
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	10	0.41
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	1	0.41
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	6	0.4
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	2	0.4
(4,32)	1:115:A:SER:H	1:131:A:SER:O	9	0.4
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	10	0.4
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	10	0.4
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	10	0.4
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG11	4	0.4
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG12	4	0.4
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG13	4	0.4
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG21	4	0.4
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG22	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1008)	1:154:A:SER:H	1:151:A:VAL:HG23	4	0.4
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	3	0.4
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	3	0.4
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	3	0.4
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	9	0.4
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	2	0.4
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	7	0.4
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	5	0.4
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	7	0.4
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	5	0.4
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	5	0.4
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	5	0.4
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	4	0.4
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	2	0.39
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	3	0.39
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	3	0.39
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	3	0.39
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	3	0.39
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	3	0.39
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	3	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	6	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	6	0.39
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	6	0.39
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	6	0.39
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	6	0.39
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	6	0.39
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	7	0.39
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	7	0.39
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	7	0.39
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	7	0.39
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	7	0.39
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	7	0.39
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	4	0.39
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	4	0.39
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	4	0.39
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	10	0.39
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	7	0.39
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	8	0.39
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	10	0.39
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	3	0.39
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	7	0.39
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	3	0.39
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	7	0.39
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	4	0.39
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	4	0.39
(4,78)	1:66:A:THR:H	1:33:A:THR:O	1	0.38
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	7	0.38
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	5	0.38
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	5	0.38
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	5	0.38
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	7	0.38
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	7	0.38
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	7	0.38
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	7	0.38
(2,370)	1:128:A:ILE:H	1:70:A:LYS:H	6	0.38
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	9	0.38
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	5	0.37
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	4	0.37
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	8	0.37
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	4	0.37
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	4	0.37
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	9	0.37
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	9	0.37
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	9	0.37
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	4	0.37
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	4	0.37
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	4	0.37
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	7	0.37
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	7	0.37
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	7	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	6	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	6	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	6	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	8	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	8	0.37
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	8	0.37
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	6	0.37
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	6	0.37
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	6	0.37
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	4	0.36
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	5	0.36
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	5	0.36
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	5	0.36
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	5	0.36
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	5	0.36
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	5	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	10	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	10	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	10	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	10	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	10	0.36
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	10	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	5	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	5	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	5	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	5	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	5	0.36
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	5	0.36
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	2	0.36
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	2	0.36
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	5	0.36
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	5	0.36
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	5	0.36
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	1	0.36
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	9	0.36
(2,326)	1:107:A:GLN:H	1:141:A:GLY:H	6	0.36
(2,302)	1:100:A:GLU:H	1:103:A:LYS:H	10	0.36
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	9	0.36
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	3	0.35
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	1	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	4	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	4	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	4	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	8	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	8	0.35
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	8	0.35
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	1	0.35
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	1	0.35
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	1	0.35
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD11	6	0.35
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD12	6	0.35
(2,808)	1:112:A:TYR:H	1:79:A:ILE:HD13	6	0.35
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD11	6	0.35
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD12	6	0.35
(2,732)	1:117:A:GLU:H	1:113:A:ILE:HD13	6	0.35
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	3	0.35
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	8	0.35
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	2	0.35
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	6	0.35
(4,78)	1:66:A:THR:H	1:33:A:THR:O	3	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	2	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	2	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	2	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	2	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	2	0.34
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	2	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	3	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	3	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	3	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	7	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	7	0.34
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD11	9	0.34
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD12	9	0.34
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD13	9	0.34
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	5	0.34
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	5	0.34
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	5	0.34
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD11	1	0.34
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD12	1	0.34
(2,595)	1:27:A:LEU:H	1:79:A:ILE:HD13	1	0.34
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	5	0.34
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	5	0.34
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	6	0.34
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	3	0.34
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	3	0.34
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	8	0.34
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	8	0.33
(4,78)	1:66:A:THR:H	1:33:A:THR:O	6	0.33
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	8	0.33
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG21	6	0.33
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG22	6	0.33
(2,1154)	1:78:A:ALA:H	1:89:A:ILE:HG23	6	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	8	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	8	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD13	10	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG11	1:146:A:LEU:HD23	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD13	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG12	1:146:A:LEU:HD23	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD13	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG13	1:146:A:LEU:HD23	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD13	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG21	1:146:A:LEU:HD23	10	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD13	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG22	1:146:A:LEU:HD23	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD11	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD12	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD13	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD21	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD22	10	0.33
(2,951)	1:153:A:VAL:HG23	1:146:A:LEU:HD23	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	8	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	8	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	8	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	8	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	8	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD11	1:153:A:VAL:HG23	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD12	1:153:A:VAL:HG23	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD13	1:153:A:VAL:HG23	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD21	1:153:A:VAL:HG23	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD22	1:153:A:VAL:HG23	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG11	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG12	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG13	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG21	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG22	10	0.33
(2,946)	1:146:A:LEU:HD23	1:153:A:VAL:HG23	10	0.33
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD11	1	0.33
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD12	1	0.33
(2,776)	1:92:A:TRP:HE1	1:143:A:ILE:HD13	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	8	0.33
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	8	0.33
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	8	0.33
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	2	0.33
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	2	0.33
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	2	0.33
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	1	0.33
(2,314)	1:104:A:TYR:H	1:141:A:GLY:H	3	0.33
(2,157)	1:69:A:GLY:H	1:119:A:SER:H	8	0.33
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	3	0.33
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	3	0.32
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	2	0.32
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	5	0.32
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	5	0.32
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	10	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG11	3	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG12	3	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG13	3	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG21	3	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG22	3	0.32
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG23	3	0.32
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	6	0.32
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	6	0.32
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	6	0.32
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	3	0.32
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	5	0.32
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	3	0.31
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	9	0.31
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	3	0.31
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	6	0.31
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	2	0.31
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	3	0.31
(4,24)	1:128:A:ILE:H	1:67:A:TYR:O	8	0.31
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	1	0.31
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	4	0.31
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG21	4	0.31
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG22	4	0.31
(2,1104)	1:70:A:LYS:H	1:79:A:ILE:HG23	4	0.31
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	6	0.31
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	6	0.31
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	6	0.31
(2,531)	1:109:A:GLY:H	1:90:A:LYS:H	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:174:A:VAL:H	1:167:A:THR:H	6	0.31
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	4	0.31
(2,437)	1:167:A:THR:H	1:174:A:VAL:H	6	0.31
(2,334)	1:109:A:GLY:H	1:90:A:LYS:H	2	0.31
(2,185)	1:74:A:ALA:H	1:79:A:ILE:H	4	0.31
(2,170)	1:79:A:ILE:H	1:74:A:ALA:H	4	0.31
(2,157)	1:69:A:GLY:H	1:119:A:SER:H	10	0.31
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	5	0.3
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	3	0.3
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	10	0.3
(4,32)	1:115:A:SER:H	1:131:A:SER:O	6	0.3
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD11	1	0.3
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD12	1	0.3
(2,804)	1:112:A:TYR:H	1:130:A:ILE:HD13	1	0.3
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD11	6	0.3
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD12	6	0.3
(2,619)	1:65:A:VAL:H	1:79:A:ILE:HD13	6	0.3
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD11	4	0.3
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD12	4	0.3
(2,583)	1:19:A:ASP:H	1:89:A:ILE:HD13	4	0.3
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	9	0.3
(2,443)	1:169:A:GLU:H	1:167:A:THR:H	7	0.3
(4,96)	1:108:A:PHE:H	1:138:A:LEU:O	10	0.29
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	4	0.29
(4,78)	1:66:A:THR:H	1:33:A:THR:O	7	0.29
(4,70)	1:111:A:ALA:H	1:89:A:ILE:O	5	0.29
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	8	0.29
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	9	0.29
(4,56)	1:96:A:THR:H	1:10:A:ASP:O	6	0.29
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	7	0.29
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	2	0.29
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	2	0.29
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	2	0.29
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	2	0.29
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	2	0.29
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	2	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG11	9	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG12	9	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG13	9	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG21	9	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG22	9	0.29
(2,1017)	1:12:A:LYS:H	1:153:A:VAL:HG23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	10	0.29
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	10	0.29
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	10	0.29
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	7	0.29
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	7	0.29
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	7	0.29
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	1	0.29
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	1	0.29
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	1	0.29
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	1	0.29
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	10	0.29
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	10	0.29
(2,25)	1:15:A:PHE:H	1:90:A:LYS:H	10	0.29
(4,78)	1:66:A:THR:H	1:33:A:THR:O	5	0.28
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	4	0.28
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	1	0.28
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	10	0.28
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	7	0.28
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	1	0.28
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	6	0.28
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB1	5	0.28
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB2	5	0.28
(2,822)	1:17:A:SER:H	1:74:A:ALA:HB3	5	0.28
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	6	0.28
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	6	0.28
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	6	0.28
(2,688)	1:83:A:TYR:H	1:130:A:ILE:HD11	6	0.28
(2,688)	1:83:A:TYR:H	1:130:A:ILE:HD12	6	0.28
(2,688)	1:83:A:TYR:H	1:130:A:ILE:HD13	6	0.28
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	6	0.28
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	6	0.28
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	6	0.28
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	7	0.28
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	10	0.27
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	7	0.27
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	1	0.27
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	2	0.27
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	4	0.27
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	4	0.27
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	4	0.27
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	1	0.27
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	1	0.27
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	1	0.27
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	1	0.27
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	1	0.27
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	9	0.27
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	7	0.27
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	1	0.27
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	3	0.27
(2,405)	1:143:A:ILE:H	1:106:A:ALA:H	4	0.27
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	3	0.27
(2,315)	1:106:A:ALA:H	1:143:A:ILE:H	4	0.27
(2,146)	1:129:A:SER:H	1:69:A:GLY:H	9	0.27
(2,131)	1:63:A:GLY:H	1:131:A:SER:H	10	0.27
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	1	0.27
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	6	0.27
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	1	0.27
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	6	0.27
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	8	0.26
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	8	0.26
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	8	0.26
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	8	0.26
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	4	0.26
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	4	0.26
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	4	0.26
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	2	0.26
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	2	0.26
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	2	0.26
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	1	0.26
(2,404)	1:143:A:ILE:H	1:141:A:GLY:H	7	0.26
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	7	0.26
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	9	0.25
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	4	0.25
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	8	0.25
(4,32)	1:115:A:SER:H	1:131:A:SER:O	5	0.25
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	3	0.25
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	6	0.25
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	9	0.25
(4,9)	1:81:A:ASP:N	1:77:A:LYS:O	2	0.25
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	7	0.25
(2,801)	1:112:A:TYR:H	1:135:A:ILE:HD11	9	0.25
(2,801)	1:112:A:TYR:H	1:135:A:ILE:HD12	9	0.25
(2,801)	1:112:A:TYR:H	1:135:A:ILE:HD13	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,726)	1:112:A:TYR:H	1:135:A:ILE:HD11	9	0.25
(2,726)	1:112:A:TYR:H	1:135:A:ILE:HD12	9	0.25
(2,726)	1:112:A:TYR:H	1:135:A:ILE:HD13	9	0.25
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD11	10	0.25
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD12	10	0.25
(2,703)	1:91:A:PHE:H	1:79:A:ILE:HD13	10	0.25
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	1	0.25
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	1	0.25
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	1	0.25
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	3	0.25
(2,314)	1:104:A:TYR:H	1:141:A:GLY:H	7	0.25
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	5	0.25
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	2	0.25
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	8	0.25
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	9	0.24
(4,78)	1:66:A:THR:H	1:33:A:THR:O	4	0.24
(4,73)	1:62:A:SER:N	1:37:A:VAL:O	2	0.24
(4,66)	1:107:A:GLN:H	1:93:A:ARG:O	7	0.24
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	1	0.24
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	5	0.24
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	10	0.24
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	7	0.24
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	7	0.24
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	7	0.24
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	9	0.24
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	9	0.24
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	9	0.24
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	2	0.24
(2,396)	1:141:A:GLY:H	1:105:A:ASP:H	3	0.24
(4,92)	1:104:A:TYR:H	1:142:A:GLU:O	9	0.23
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	3	0.23
(4,77)	1:66:A:THR:N	1:33:A:THR:O	1	0.23
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	2	0.23
(4,24)	1:128:A:ILE:H	1:67:A:TYR:O	6	0.23
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	5	0.23
(4,4)	1:78:A:ALA:H	1:74:A:ALA:O	4	0.23
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	4	0.23
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	4	0.23
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	4	0.23
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD11	8	0.23
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD12	8	0.23
(2,675)	1:80:A:GLU:H	1:130:A:ILE:HD13	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	9	0.23
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	9	0.23
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	9	0.23
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	6	0.23
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	8	0.23
(4,92)	1:104:A:TYR:H	1:142:A:GLU:O	5	0.22
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	4	0.22
(4,73)	1:62:A:SER:N	1:37:A:VAL:O	5	0.22
(4,62)	1:93:A:ARG:H	1:107:A:GLN:O	9	0.22
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	1	0.22
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	6	0.22
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	1	0.22
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	1	0.22
(4,32)	1:115:A:SER:H	1:131:A:SER:O	3	0.22
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	5	0.22
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	9	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG11	4	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG12	4	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG13	4	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG21	4	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG22	4	0.22
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG23	4	0.22
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	6	0.22
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	6	0.22
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	6	0.22
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	2	0.22
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	2	0.22
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	2	0.22
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD11	7	0.22
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD12	7	0.22
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD13	7	0.22
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD11	6	0.22
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD12	6	0.22
(2,568)	1:84:A:GLN:H	1:89:A:ILE:HD13	6	0.22
(2,17)	1:12:A:LYS:H	1:93:A:ARG:H	10	0.22
(4,92)	1:104:A:TYR:H	1:142:A:GLU:O	2	0.21
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	6	0.21
(4,56)	1:96:A:THR:H	1:10:A:ASP:O	4	0.21
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	4	0.21
(4,31)	1:115:A:SER:N	1:131:A:SER:O	9	0.21
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	7	0.21
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	4	0.21
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	4	0.21
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	4	0.21
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	4	0.21
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	4	0.21
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	3	0.21
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	3	0.21
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	3	0.21
(2,829)	1:144:A:ASP:H	1:106:A:ALA:HB1	10	0.21
(2,829)	1:144:A:ASP:H	1:106:A:ALA:HB2	10	0.21
(2,829)	1:144:A:ASP:H	1:106:A:ALA:HB3	10	0.21
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	3	0.21
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	3	0.21
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	3	0.21
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	1	0.21
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	1	0.21
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	1	0.21
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD11	9	0.21
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD12	9	0.21
(2,692)	1:89:A:ILE:H	1:130:A:ILE:HD13	9	0.21
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD11	7	0.21
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD12	7	0.21
(2,615)	1:63:A:GLY:H	1:130:A:ILE:HD13	7	0.21
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	6	0.21
(2,157)	1:69:A:GLY:H	1:119:A:SER:H	6	0.21
(2,130)	1:63:A:GLY:H	1:36:A:SER:H	8	0.21
(2,82)	1:36:A:SER:H	1:63:A:GLY:H	8	0.21
(4,96)	1:108:A:PHE:H	1:138:A:LEU:O	6	0.2
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	10	0.2
(4,78)	1:66:A:THR:H	1:33:A:THR:O	10	0.2
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	10	0.2
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	2	0.2
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	4	0.2
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	10	0.2
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	7	0.2
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	6	0.2
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	10	0.2
(4,42)	1:131:A:SER:H	1:115:A:SER:O	8	0.2
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	6	0.2
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	9	0.2
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	10	0.2
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	3	0.2
(2,940)	1:128:A:ILE:HD11	1:79:A:ILE:HD11	8	0.2
(2,940)	1:128:A:ILE:HD11	1:79:A:ILE:HD12	8	0.2
(2,940)	1:128:A:ILE:HD11	1:79:A:ILE:HD13	8	0.2
(2,940)	1:128:A:ILE:HD12	1:79:A:ILE:HD11	8	0.2
(2,940)	1:128:A:ILE:HD12	1:79:A:ILE:HD12	8	0.2
(2,940)	1:128:A:ILE:HD12	1:79:A:ILE:HD13	8	0.2
(2,940)	1:128:A:ILE:HD13	1:79:A:ILE:HD11	8	0.2
(2,940)	1:128:A:ILE:HD13	1:79:A:ILE:HD12	8	0.2
(2,940)	1:128:A:ILE:HD13	1:79:A:ILE:HD13	8	0.2
(2,934)	1:79:A:ILE:HD11	1:128:A:ILE:HD11	8	0.2
(2,934)	1:79:A:ILE:HD11	1:128:A:ILE:HD12	8	0.2
(2,934)	1:79:A:ILE:HD11	1:128:A:ILE:HD13	8	0.2
(2,934)	1:79:A:ILE:HD12	1:128:A:ILE:HD11	8	0.2
(2,934)	1:79:A:ILE:HD12	1:128:A:ILE:HD12	8	0.2
(2,934)	1:79:A:ILE:HD12	1:128:A:ILE:HD13	8	0.2
(2,934)	1:79:A:ILE:HD13	1:128:A:ILE:HD11	8	0.2
(2,934)	1:79:A:ILE:HD13	1:128:A:ILE:HD12	8	0.2
(2,934)	1:79:A:ILE:HD13	1:128:A:ILE:HD13	8	0.2
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	10	0.2
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	10	0.2
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	10	0.2
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	1	0.2
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	1	0.2
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	1	0.2
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	9	0.2
(2,123)	1:54:A:LEU:H	1:46:A:GLU:H	2	0.2
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	4	0.19
(4,90)	1:142:A:GLU:H	1:104:A:TYR:O	6	0.19
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	10	0.19
(4,78)	1:66:A:THR:H	1:33:A:THR:O	2	0.19
(4,78)	1:66:A:THR:H	1:33:A:THR:O	9	0.19
(4,77)	1:66:A:THR:N	1:33:A:THR:O	3	0.19
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	10	0.19
(4,75)	1:64:A:GLU:N	1:35:A:GLY:O	6	0.19
(4,53)	1:94:A:VAL:N	1:12:A:LYS:O	8	0.19
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	5	0.19
(4,40)	1:129:A:SER:H	1:117:A:GLU:O	7	0.19
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	1	0.19
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	1	0.19
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	4	0.19
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	1:115:A:SER:H	1:131:A:SER:O	8	0.19
(4,30)	1:134:A:VAL:H	1:61:A:ASP:O	7	0.19
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	2	0.19
(4,2)	1:77:A:LYS:H	1:73:A:ASP:O	9	0.19
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	3	0.19
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	3	0.19
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	3	0.19
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	5	0.19
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	5	0.19
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	5	0.19
(2,323)	1:106:A:ALA:H	1:93:A:ARG:H	8	0.19
(2,277)	1:93:A:ARG:H	1:106:A:ALA:H	8	0.19
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	5	0.18
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	7	0.18
(4,77)	1:66:A:THR:N	1:33:A:THR:O	6	0.18
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	8	0.18
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	1	0.18
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	6	0.18
(4,63)	1:95:A:ASP:N	1:105:A:ASP:O	7	0.18
(4,56)	1:96:A:THR:H	1:10:A:ASP:O	3	0.18
(4,56)	1:96:A:THR:H	1:10:A:ASP:O	8	0.18
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	6	0.18
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	2	0.18
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	9	0.18
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	5	0.18
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	3	0.18
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	9	0.18
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	1	0.18
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	8	0.18
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	8	0.18
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	9	0.18
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	9	0.18
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	9	0.18
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	2	0.18
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	5	0.17
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	10	0.17
(4,73)	1:62:A:SER:N	1:37:A:VAL:O	9	0.17
(4,64)	1:95:A:ASP:H	1:105:A:ASP:O	6	0.17
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	2	0.17
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	9	0.17
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	1	0.17
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	4	0.17
(4,42)	1:131:A:SER:H	1:115:A:SER:O	6	0.17
(4,32)	1:115:A:SER:H	1:131:A:SER:O	7	0.17
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	9	0.17
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	7	0.17
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	2	0.17
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	6	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG11	7	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG12	7	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG13	7	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG21	7	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG22	7	0.17
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG23	7	0.17
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	1	0.17
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	1	0.17
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	1	0.17
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD11	2	0.17
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD12	2	0.17
(2,743)	1:130:A:ILE:H	1:79:A:ILE:HD13	2	0.17
(2,76)	1:25:A:ALA:H	1:23:A:GLY:H	5	0.17
(2,68)	1:23:A:GLY:H	1:25:A:ALA:H	5	0.17
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	1	0.16
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	3	0.16
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	4	0.16
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	2	0.16
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	9	0.16
(4,78)	1:66:A:THR:H	1:33:A:THR:O	8	0.16
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	1	0.16
(4,70)	1:111:A:ALA:H	1:89:A:ILE:O	1	0.16
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	8	0.16
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	9	0.16
(4,60)	1:91:A:PHE:H	1:109:A:GLY:O	3	0.16
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	1	0.16
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	5	0.16
(4,54)	1:94:A:VAL:H	1:12:A:LYS:O	9	0.16
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	1	0.16
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	7	0.16
(4,39)	1:129:A:SER:N	1:117:A:GLU:O	4	0.16
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	6	0.16
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	2	0.16
(4,30)	1:134:A:VAL:H	1:61:A:ASP:O	6	0.16
(4,24)	1:128:A:ILE:H	1:67:A:TYR:O	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,20)	1:65:A:VAL:H	1:130:A:ILE:O	4	0.16
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	4	0.16
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	9	0.16
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	8	0.16
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	4	0.16
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	4	0.16
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	4	0.16
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	8	0.16
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	8	0.16
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	8	0.16
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD11	2	0.16
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD12	2	0.16
(2,795)	1:28:A:PHE:H	1:150:A:ILE:HD13	2	0.16
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	7	0.16
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	7	0.16
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	7	0.16
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	10	0.16
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	10	0.16
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	10	0.16
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	4	0.16
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	4	0.16
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	4	0.16
(2,535)	1:109:A:GLY:H	1:16:A:GLN:H	1	0.16
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	10	0.16
(2,479)	1:92:A:TRP:HE3	1:142:A:GLU:H	1	0.16
(2,404)	1:143:A:ILE:H	1:141:A:GLY:H	3	0.16
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	6	0.15
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	2	0.15
(4,53)	1:94:A:VAL:N	1:12:A:LYS:O	6	0.15
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	2	0.15
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	3	0.15
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	2	0.15
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	9	0.15
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	5	0.15
(4,20)	1:65:A:VAL:H	1:130:A:ILE:O	3	0.15
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	10	0.15
(4,12)	1:82:A:ALA:H	1:78:A:ALA:O	9	0.15
(4,4)	1:78:A:ALA:H	1:74:A:ALA:O	7	0.15
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG21	3	0.15
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG22	3	0.15
(2,1042)	1:92:A:TRP:HE1	1:145:A:THR:HG23	3	0.15
(2,932)	1:174:A:VAL:H	1:176:A:ALA:HB1	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,932)	1:174:A:VAL:H	1:176:A:ALA:HB2	3	0.15
(2,932)	1:174:A:VAL:H	1:176:A:ALA:HB3	3	0.15
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB1	10	0.15
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB2	10	0.15
(2,887)	1:80:A:GLU:H	1:74:A:ALA:HB3	10	0.15
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	5	0.15
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	5	0.15
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	5	0.15
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD11	3	0.15
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD12	3	0.15
(2,750)	1:140:A:ASN:H	1:143:A:ILE:HD13	3	0.15
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	4	0.15
(2,349)	1:117:A:GLU:H	1:128:A:ILE:H	3	0.15
(2,323)	1:106:A:ALA:H	1:93:A:ARG:H	6	0.15
(2,277)	1:93:A:ARG:H	1:106:A:ALA:H	6	0.15
(4,90)	1:142:A:GLU:H	1:104:A:TYR:O	7	0.14
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	5	0.14
(4,87)	1:140:A:ASN:N	1:106:A:ALA:O	3	0.14
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	7	0.14
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	4	0.14
(4,81)	1:39:A:GLY:N	1:60:A:ALA:O	8	0.14
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	3	0.14
(4,77)	1:66:A:THR:N	1:33:A:THR:O	7	0.14
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	3	0.14
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	3	0.14
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	2	0.14
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	7	0.14
(4,39)	1:129:A:SER:N	1:117:A:GLU:O	10	0.14
(4,37)	1:127:A:GLU:N	1:119:A:SER:O	7	0.14
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	4	0.14
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	7	0.14
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	2	0.14
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	1	0.14
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	6	0.14
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	8	0.14
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	4	0.14
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	8	0.14
(4,12)	1:82:A:ALA:H	1:78:A:ALA:O	5	0.14
(4,10)	1:81:A:ASP:H	1:77:A:LYS:O	10	0.14
(4,9)	1:81:A:ASP:N	1:77:A:LYS:O	1	0.14
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG11	4	0.14
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG12	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG13	4	0.14
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG21	4	0.14
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG22	4	0.14
(2,997)	1:150:A:ILE:H	1:153:A:VAL:HG23	4	0.14
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB1	4	0.14
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB2	4	0.14
(2,855)	1:28:A:PHE:H	1:25:A:ALA:HB3	4	0.14
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	5	0.14
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	5	0.14
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	5	0.14
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	3	0.14
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	3	0.14
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	3	0.14
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	7	0.14
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	7	0.14
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	7	0.14
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	5	0.14
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	5	0.14
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	5	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD11	1	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD12	1	0.14
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD13	1	0.14
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	8	0.14
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	8	0.14
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	8	0.14
(2,530)	1:20:A:ALA:H	1:90:A:LYS:H	8	0.14
(2,516)	1:14:A:LEU:H	1:92:A:TRP:HE1	4	0.14
(2,117)	1:53:A:ILE:H	1:47:A:GLN:H	9	0.14
(2,103)	1:47:A:GLN:H	1:53:A:ILE:H	9	0.14
(4,94)	1:106:A:ALA:H	1:140:A:ASN:O	6	0.13
(4,90)	1:142:A:GLU:H	1:104:A:TYR:O	4	0.13
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	2	0.13
(4,77)	1:66:A:THR:N	1:33:A:THR:O	5	0.13
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	2	0.13
(4,62)	1:93:A:ARG:H	1:107:A:GLN:O	1	0.13
(4,60)	1:91:A:PHE:H	1:109:A:GLY:O	8	0.13
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	2	0.13
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	10	0.13
(4,36)	1:119:A:SER:H	1:127:A:GLU:O	6	0.13
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	3	0.13
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	4	0.13
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	10	0.13
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	1	0.13
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	2	0.13
(4,1)	1:77:A:LYS:N	1:73:A:ASP:O	5	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG11	6	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG12	6	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG13	6	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG21	6	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG22	6	0.13
(2,1018)	1:94:A:VAL:H	1:151:A:VAL:HG23	6	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG11	7	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG12	7	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG13	7	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG21	7	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG22	7	0.13
(2,973)	1:141:A:GLY:H	1:94:A:VAL:HG23	7	0.13
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB1	5	0.13
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB2	5	0.13
(2,833)	1:24:A:SER:H	1:21:A:ALA:HB3	5	0.13
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB1	5	0.13
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB2	5	0.13
(2,810)	1:12:A:LYS:H	1:106:A:ALA:HB3	5	0.13
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD11	6	0.13
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD12	6	0.13
(2,728)	1:112:A:TYR:H	1:89:A:ILE:HD13	6	0.13
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	3	0.13
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	3	0.13
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	3	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD11	3	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD12	3	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD13	3	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD11	8	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD12	8	0.13
(2,637)	1:71:A:ARG:H	1:128:A:ILE:HD13	8	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	5	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	5	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	5	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	10	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	10	0.13
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	10	0.13
(2,494)	1:111:A:ALA:H	1:92:A:TRP:H	8	0.13
(2,473)	1:92:A:TRP:HE3	1:106:A:ALA:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:143:A:ILE:H	1:141:A:GLY:H	4	0.13
(2,254)	1:92:A:TRP:H	1:111:A:ALA:H	8	0.13
(4,87)	1:140:A:ASN:N	1:106:A:ALA:O	4	0.12
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	1	0.12
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	5	0.12
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	3	0.12
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	7	0.12
(4,76)	1:64:A:GLU:H	1:35:A:GLY:O	9	0.12
(4,70)	1:111:A:ALA:H	1:89:A:ILE:O	4	0.12
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	5	0.12
(4,66)	1:107:A:GLN:H	1:93:A:ARG:O	9	0.12
(4,63)	1:95:A:ASP:N	1:105:A:ASP:O	8	0.12
(4,62)	1:93:A:ARG:H	1:107:A:GLN:O	5	0.12
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	1	0.12
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	7	0.12
(4,48)	1:16:A:GLN:H	1:90:A:LYS:O	8	0.12
(4,46)	1:14:A:LEU:H	1:92:A:TRP:O	4	0.12
(4,34)	1:117:A:GLU:H	1:129:A:SER:O	6	0.12
(4,32)	1:115:A:SER:H	1:131:A:SER:O	10	0.12
(4,31)	1:115:A:SER:N	1:131:A:SER:O	6	0.12
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	2	0.12
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	5	0.12
(4,24)	1:128:A:ILE:H	1:67:A:TYR:O	7	0.12
(4,21)	1:67:A:TYR:N	1:128:A:ILE:O	1	0.12
(4,20)	1:65:A:VAL:H	1:130:A:ILE:O	7	0.12
(4,18)	1:63:A:GLY:H	1:132:A:LEU:O	9	0.12
(4,4)	1:78:A:ALA:H	1:74:A:ALA:O	3	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD11	10	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD12	10	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD13	10	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD21	10	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD22	10	0.12
(2,961)	1:149:A:GLU:H	1:14:A:LEU:HD23	10	0.12
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB1	2	0.12
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB2	2	0.12
(2,850)	1:28:A:PHE:H	1:74:A:ALA:HB3	2	0.12
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB1	3	0.12
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB2	3	0.12
(2,832)	1:23:A:GLY:H	1:25:A:ALA:HB3	3	0.12
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB1	2	0.12
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB2	2	0.12
(2,816)	1:28:A:PHE:H	1:74:A:ALA:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD11	10	0.12
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD12	10	0.12
(2,714)	1:92:A:TRP:H	1:79:A:ILE:HD13	10	0.12
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD11	4	0.12
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD12	4	0.12
(2,575)	1:17:A:SER:H	1:18:A:ILE:HD13	4	0.12
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	4	0.12
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	4	0.12
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	4	0.12
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD11	10	0.12
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD12	10	0.12
(2,552)	1:92:A:TRP:H	1:79:A:ILE:HD13	10	0.12
(2,445)	1:169:A:GLU:H	1:173:A:THR:H	2	0.12
(4,90)	1:142:A:GLU:H	1:104:A:TYR:O	9	0.11
(4,88)	1:140:A:ASN:H	1:106:A:ALA:O	1	0.11
(4,85)	1:138:A:LEU:N	1:108:A:PHE:O	10	0.11
(4,80)	1:41:A:ARG:H	1:58:A:SER:O	7	0.11
(4,74)	1:62:A:SER:H	1:37:A:VAL:O	7	0.11
(4,70)	1:111:A:ALA:H	1:89:A:ILE:O	2	0.11
(4,68)	1:109:A:GLY:H	1:91:A:PHE:O	4	0.11
(4,63)	1:95:A:ASP:N	1:105:A:ASP:O	3	0.11
(4,62)	1:93:A:ARG:H	1:107:A:GLN:O	2	0.11
(4,60)	1:91:A:PHE:H	1:109:A:GLY:O	10	0.11
(4,52)	1:92:A:TRP:H	1:14:A:LEU:O	8	0.11
(4,50)	1:90:A:LYS:H	1:16:A:GLN:O	3	0.11
(4,44)	1:12:A:LYS:H	1:94:A:VAL:O	6	0.11
(4,30)	1:134:A:VAL:H	1:61:A:ASP:O	4	0.11
(4,26)	1:130:A:ILE:H	1:65:A:VAL:O	6	0.11
(4,22)	1:67:A:TYR:H	1:128:A:ILE:O	8	0.11
(4,21)	1:67:A:TYR:N	1:128:A:ILE:O	7	0.11
(4,20)	1:65:A:VAL:H	1:130:A:ILE:O	9	0.11
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	5	0.11
(4,9)	1:81:A:ASP:N	1:77:A:LYS:O	9	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	7	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	7	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	7	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG21	9	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG22	9	0.11
(2,1157)	1:146:A:LEU:H	1:143:A:ILE:HG23	9	0.11
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	7	0.11
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	7	0.11
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG21	9	0.11
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG22	9	0.11
(2,1128)	1:146:A:LEU:H	1:143:A:ILE:HG23	9	0.11
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD11	2	0.11
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD12	2	0.11
(2,796)	1:28:A:PHE:H	1:130:A:ILE:HD13	2	0.11
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD11	2	0.11
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD12	2	0.11
(2,574)	1:84:A:GLN:H	1:79:A:ILE:HD13	2	0.11
(2,76)	1:25:A:ALA:H	1:23:A:GLY:H	2	0.11
(2,68)	1:23:A:GLY:H	1:25:A:ALA:H	2	0.11
(4,86)	1:138:A:LEU:H	1:108:A:PHE:O	9	0.1
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	5	0.1
(4,84)	1:37:A:VAL:H	1:62:A:SER:O	9	0.1
(4,82)	1:39:A:GLY:H	1:60:A:ALA:O	6	0.1
(4,60)	1:91:A:PHE:H	1:109:A:GLY:O	4	0.1
(4,58)	1:89:A:ILE:H	1:111:A:ALA:O	4	0.1
(4,42)	1:131:A:SER:H	1:115:A:SER:O	3	0.1
(4,42)	1:131:A:SER:H	1:115:A:SER:O	7	0.1
(4,38)	1:127:A:GLU:H	1:119:A:SER:O	8	0.1
(4,28)	1:132:A:LEU:H	1:63:A:GLY:O	1	0.1
(4,16)	1:84:A:GLN:H	1:80:A:GLU:O	2	0.1
(4,14)	1:83:A:TYR:H	1:79:A:ILE:O	5	0.1
(4,12)	1:82:A:ALA:H	1:78:A:ALA:O	3	0.1
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD11	1	0.1
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD12	1	0.1
(2,798)	1:111:A:ALA:H	1:18:A:ILE:HD13	1	0.1
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD11	5	0.1
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD12	5	0.1
(2,641)	1:79:A:ILE:H	1:128:A:ILE:HD13	5	0.1
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD11	3	0.1
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD12	3	0.1
(2,555)	1:8:A:GLY:H	1:6:A:ILE:HD13	3	0.1

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

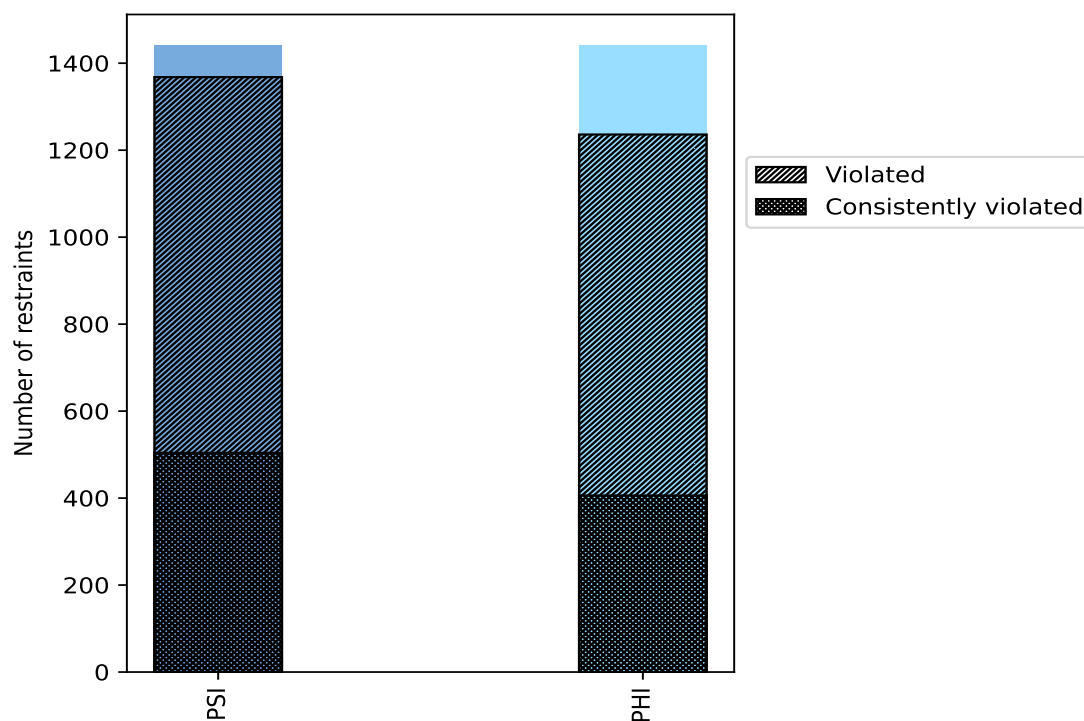
9.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	1440	50.0	1368	95.0	47.5	504	35.0	17.5
PHI	1440	50.0	1236	85.8	42.9	406	28.2	14.1
Total	2880	100.0	2604	90.4	90.4	910	31.6	31.6

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

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



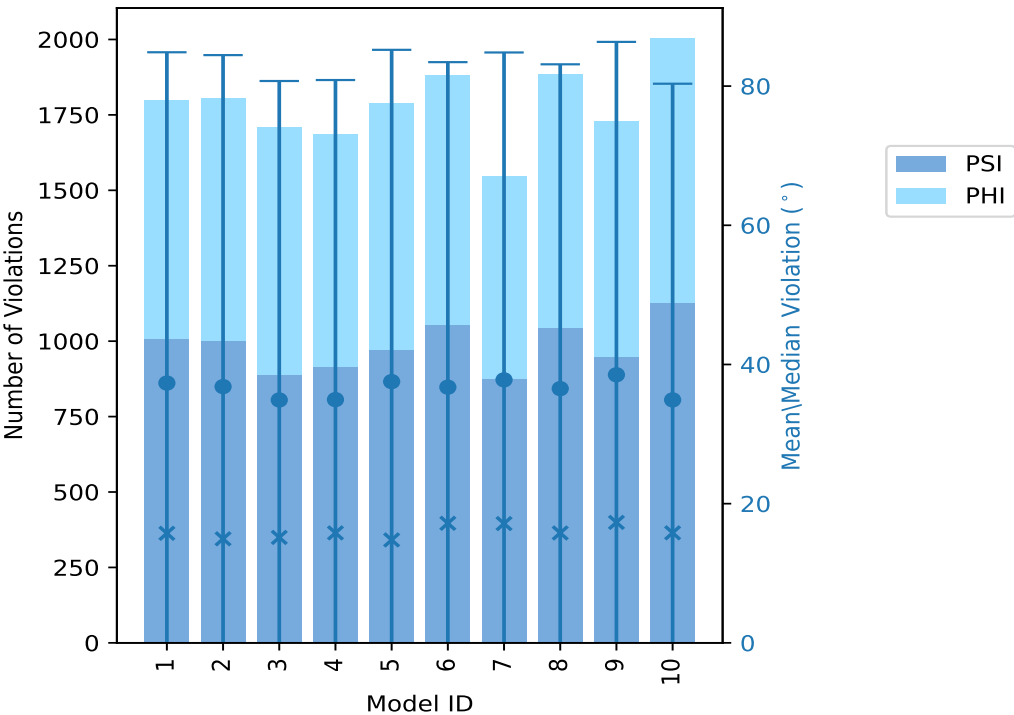
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

9.2 Dihedral-angle violation statistics for each model ⓘ

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	1008	792	1800	37.33	170.77	47.53	15.74
2	1000	804	1804	36.82	172.73	47.63	14.95
3	888	821	1709	34.9	169.38	45.83	15.15
4	914	772	1686	34.95	168.47	45.92	15.8
5	972	816	1788	37.54	174.89	47.67	14.79
6	1056	826	1882	36.74	174.63	46.7	17.18
7	877	670	1547	37.79	168.98	47.04	17.14
8	1044	840	1884	36.53	173.82	46.6	15.79
9	948	779	1727	38.52	174.85	47.83	17.31
10	1128	876	2004	34.91	167.73	45.43	15.81

9.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

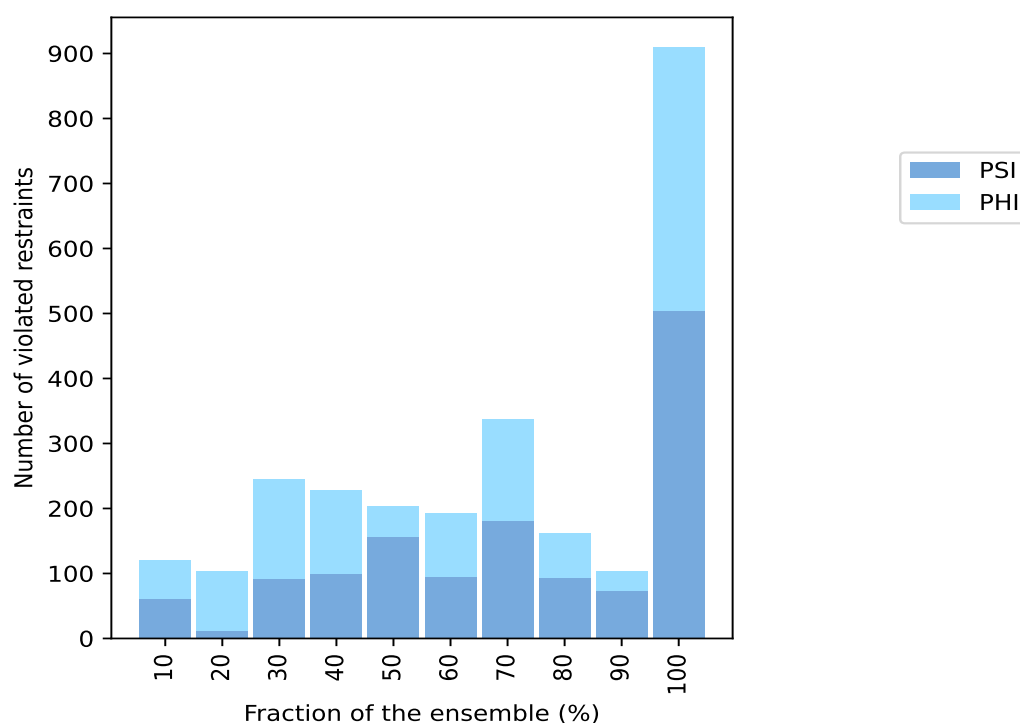
9.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
60	60	120	1	10.0
12	91	103	2	20.0
92	153	245	3	30.0
100	128	228	4	40.0
156	47	203	5	50.0
95	97	192	6	60.0
181	156	337	7	70.0
94	68	162	8	80.0
74	30	104	9	90.0
504	406	910	10	100.0

¹ Number of models with violations

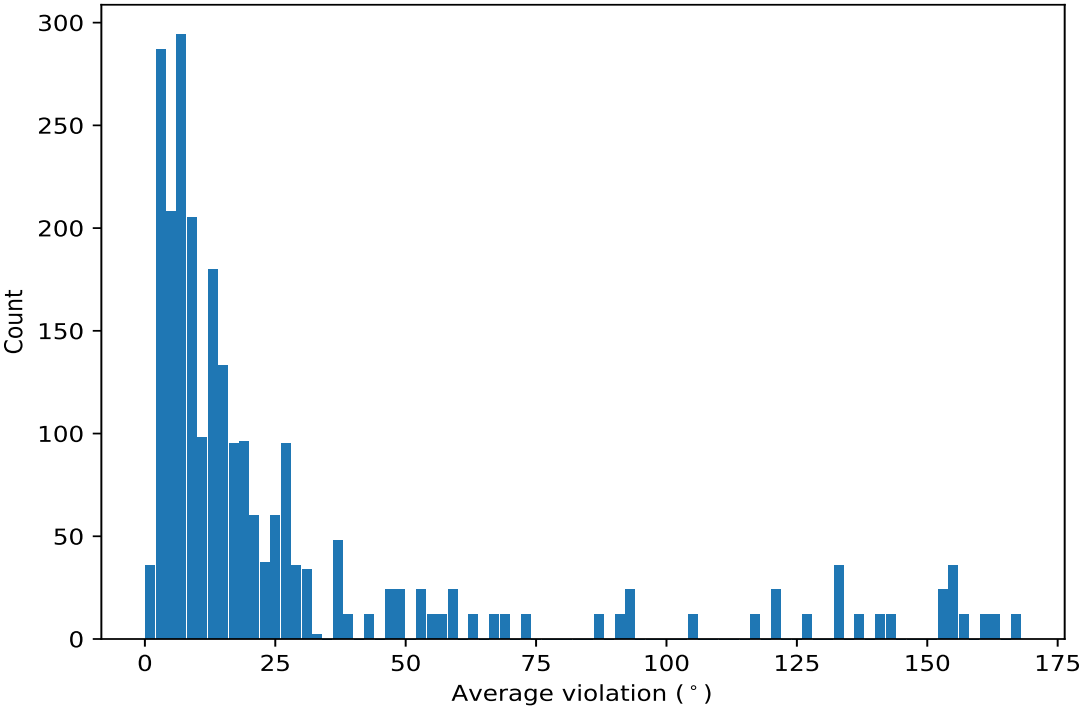
9.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ



9.4 Most violated dihedral-angle restraints in the ensemble ⓘ

9.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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



9.4.2 Table: Most violated dihedral-angle restraints ⓘ

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	10	166.82	9.34	171.44
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	10	166.82	9.35	171.42
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	10	166.82	9.33	171.44
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	10	166.81	9.37	171.48
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	10	166.81	9.35	171.49
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	10	166.81	9.34	171.46
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	10	166.81	9.35	171.43
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	10	166.81	9.36	171.44
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	10	166.8	9.33	171.43
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	10	166.8	9.36	171.43
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	10	166.8	9.35	171.42
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	10	166.78	9.34	171.42
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	10	162.16	2.58	161.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	10	162.15	2.59	161.14
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	10	162.15	2.59	161.16
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	10	162.15	2.58	161.06
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	10	162.15	2.59	161.14
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	10	162.15	2.59	161.08
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	10	162.15	2.61	161.12
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	10	162.14	2.57	161.13
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	10	162.14	2.6	161.07
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	10	162.14	2.58	161.07
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	10	162.14	2.58	161.11
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	10	162.12	2.59	161.12
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	10	161.16	13.52	169.15
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	10	161.15	13.51	169.12
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	10	161.15	13.52	169.12
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	10	161.14	13.52	169.14
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	10	161.14	13.51	169.16
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	10	161.14	13.51	169.16
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	10	161.14	13.5	169.14
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	10	161.14	13.52	169.1
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	10	161.14	13.53	169.1
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	10	161.14	13.53	169.14
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	10	161.13	13.51	169.1
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	10	161.12	13.52	169.09
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	10	157.2	7.36	160.9
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	10	157.19	7.37	160.92
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	10	157.19	7.37	160.92
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	10	157.19	7.38	160.9
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	10	157.19	7.37	160.88
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	10	157.18	7.35	160.88
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	10	157.18	7.36	160.86
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	10	157.18	7.35	160.89
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	10	157.18	7.35	160.88
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	10	157.18	7.36	160.86
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	10	157.18	7.38	160.89
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	10	157.17	7.37	160.9
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	10	155.84	6.77	158.6
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	10	155.84	6.77	158.6
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	10	155.84	6.75	158.6
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	10	155.83	6.75	158.56
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	10	155.83	6.77	158.58
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	10	155.83	6.77	158.58
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	10	155.83	6.77	158.58
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	10	155.83	6.76	158.58
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	10	155.83	6.77	158.62
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	10	155.83	6.77	158.59
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	10	155.83	6.75	158.56
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	10	155.82	6.77	158.6
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	10	155.2	8.31	158.26
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	10	155.19	8.32	158.3
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	10	155.18	8.32	158.29
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	10	155.18	8.32	158.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	10	155.18	8.32	158.24
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	10	155.17	8.12	151.0
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	10	155.17	8.31	158.24
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	10	155.17	8.34	158.3
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	10	155.17	8.3	158.26
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	10	155.16	8.32	158.24
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	10	155.16	8.15	150.96
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	10	155.16	8.13	151.01
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	10	155.16	8.15	151.02
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	10	155.16	8.13	150.99
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	10	155.16	8.32	158.26
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	10	155.15	8.15	151.01
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	10	155.15	8.32	158.26
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	10	155.15	8.32	158.28
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	10	155.15	8.15	150.98
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	10	155.14	8.14	151.04
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	10	155.14	8.13	150.99
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	10	155.14	8.13	150.99
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	10	155.14	8.15	151.01
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	10	155.13	8.14	150.98
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	10	153.94	6.57	155.42
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	10	153.94	6.56	155.39
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	10	153.94	6.55	155.43
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	10	153.93	6.57	155.38
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	10	153.93	6.57	155.42
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	10	153.93	6.55	155.39
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	10	153.93	6.57	155.42
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	10	153.93	6.57	155.39
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	10	153.93	6.58	155.4
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	10	153.92	6.58	155.4
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	10	153.92	6.56	155.37
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	10	153.91	6.58	155.38
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	10	153.7	8.61	150.98
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	10	153.7	8.6	150.92
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	10	153.69	8.61	150.91
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	10	153.69	8.59	150.94
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	10	153.69	8.61	150.93
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	10	153.68	8.6	150.9
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	10	153.68	8.58	150.96
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	10	153.67	8.6	150.96
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	10	153.67	8.59	150.93
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	10	153.66	8.6	150.93
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	10	153.66	8.6	150.94
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	10	153.64	8.59	150.93
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	10	143.98	6.55	145.47
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	10	143.98	6.58	145.52
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	10	143.98	6.56	145.51
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	10	143.98	6.56	145.44
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	10	143.98	6.58	145.51
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	10	143.97	6.55	145.51
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	10	143.97	6.55	145.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	10	143.97	6.53	145.49
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	10	143.97	6.55	145.48
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	10	143.96	6.55	145.48
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	10	143.96	6.58	145.44
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	10	143.95	6.55	145.48
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	10	140.49	10.92	145.4
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	10	140.48	10.93	145.36
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	10	140.48	10.91	145.36
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	10	140.48	10.93	145.36
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	10	140.48	10.91	145.42
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	10	140.47	10.95	145.39
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	10	140.47	10.92	145.36
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	10	140.47	10.91	145.39
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	10	140.47	10.92	145.34
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	10	140.47	10.92	145.37
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	10	140.46	10.91	145.36
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	10	140.44	10.91	145.32
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	10	136.61	37.87	165.88
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	10	136.6	37.87	165.91
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	10	136.6	37.86	165.87
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	10	136.59	37.87	165.88
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	10	136.59	37.87	165.84
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	10	136.58	37.87	165.86
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	10	136.58	37.9	165.87
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	10	136.58	37.87	165.86
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	10	136.58	37.87	165.84
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	10	136.57	37.88	165.86
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	10	136.57	37.85	165.79
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	10	136.57	37.86	165.84
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	10	132.96	7.62	134.04
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	10	132.95	7.6	134.01
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	10	132.95	7.6	134.01
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	10	132.95	7.6	133.99
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	10	132.95	7.63	134.02
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	10	132.95	7.63	134.01
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	10	132.95	7.6	134.0
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	10	132.94	7.61	134.03
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	10	132.94	7.61	134.02
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	10	132.94	7.62	134.03
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	10	132.94	7.61	134.03
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	10	132.93	7.62	134.02
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	10	132.41	7.45	132.32
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	10	132.41	7.46	132.29
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	10	132.4	7.49	132.32
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	10	132.4	7.47	132.32
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	10	132.4	7.47	132.32
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	10	132.4	7.46	132.3
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	10	132.4	7.47	132.29
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	10	132.39	7.46	132.3
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	10	132.39	7.46	132.32
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	10	132.39	7.46	132.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	10	132.38	7.43	132.3
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	10	132.38	7.46	132.29
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	10	132.08	26.62	133.17
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	10	132.07	26.61	133.17
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	10	132.07	26.62	133.15
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	10	132.07	26.62	133.16
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	10	132.06	26.62	133.16
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	10	132.06	26.61	133.16
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	10	132.06	26.62	133.14
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	10	132.06	26.62	133.16
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	10	132.06	26.62	133.16
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	10	132.06	26.61	133.14
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	10	132.06	26.63	133.15
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	10	132.05	26.63	133.14
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	10	120.32	8.19	122.02
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	10	120.32	8.18	121.98
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	10	120.31	8.18	121.99
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	10	120.31	8.19	121.96
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	10	120.31	8.18	121.97
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	10	120.31	8.18	121.98
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	10	120.31	8.2	121.98
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	10	120.3	8.18	121.96
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	10	120.3	8.18	121.96
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	10	120.3	8.18	121.96
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	10	120.3	8.19	121.96
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	10	120.3	8.19	121.95
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	10	116.26	5.76	116.12
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	10	116.26	5.73	116.12
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	10	116.26	5.79	116.12
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	10	116.25	5.74	116.13
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	10	116.25	5.74	116.09
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	10	116.25	5.75	116.06
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	10	116.25	5.76	116.09
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	10	116.25	5.75	116.1
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	10	116.24	5.77	116.1
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	10	116.24	5.75	116.15
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	10	116.24	5.74	116.08
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	10	116.24	5.74	116.06
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	10	105.48	20.8	94.4
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	10	105.46	20.77	94.38
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	10	105.46	20.79	94.4
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	10	105.46	20.77	94.4
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	10	105.46	20.81	94.38
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	10	105.46	20.79	94.37
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	10	105.46	20.78	94.4
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	10	105.46	20.79	94.38
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	10	105.45	20.78	94.36
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	10	105.44	20.78	94.38
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	10	105.44	20.79	94.37
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	10	105.44	20.8	94.36
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	10	92.25	23.92	78.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	10	92.24	23.92	78.47
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	10	92.24	23.94	78.48
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	10	92.24	23.92	78.49
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	10	92.24	23.93	78.5
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	10	92.24	23.9	78.5
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	10	92.23	23.94	78.48
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	10	92.23	23.91	78.51
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	10	92.22	23.91	78.47
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	10	92.22	23.92	78.47
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	10	92.22	23.91	78.49
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	10	92.21	23.93	78.46
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	10	91.13	5.56	93.4
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	10	91.12	5.55	93.44
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	10	91.11	5.56	93.44
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	10	91.11	5.57	93.38
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	10	91.1	5.57	93.36
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	10	91.1	5.57	93.44
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	10	91.1	5.57	93.37
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	10	91.1	5.57	93.36
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	10	91.1	5.56	93.4
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	10	91.1	5.58	93.4
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	10	91.09	5.56	93.36
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	10	91.09	5.55	93.37
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	10	86.57	12.31	82.14
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	10	86.57	12.29	82.18
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	10	86.56	12.29	82.14
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	10	86.56	12.3	82.11
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	10	86.56	12.27	82.12
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	10	86.55	12.28	82.18
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	10	86.55	12.29	82.12
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	10	86.54	12.3	82.11
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	10	86.54	12.29	82.11
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	10	86.54	12.28	82.14
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	10	86.54	12.3	82.12
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	10	86.54	12.28	82.1
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	10	73.1	3.87	73.36
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	10	73.1	3.86	73.41
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	10	73.1	3.87	73.39
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	10	73.1	3.88	73.41
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	10	73.1	3.86	73.38
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	10	73.1	3.86	73.36
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	10	73.09	3.85	73.35
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	10	73.09	3.85	73.34
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	10	73.09	3.85	73.35
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	10	73.08	3.87	73.36
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	10	73.08	3.86	73.34
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	10	73.07	3.86	73.35
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	10	69.69	58.23	42.47
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	10	69.68	58.25	42.46
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	10	69.68	58.23	42.48
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	10	69.68	58.24	42.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	10	69.68	58.24	42.42
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	10	69.68	58.23	42.46
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	10	69.67	58.25	42.42
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	10	69.67	58.22	42.48
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	10	69.67	58.22	42.46
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	10	69.67	58.23	42.44
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	10	69.67	58.22	42.44
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	10	69.66	58.22	42.43
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	10	67.37	62.61	18.64
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	10	67.35	62.6	18.63
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	10	67.35	62.61	18.62
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	10	67.35	62.61	18.62
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	10	67.35	62.62	18.62
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	10	67.35	62.61	18.61
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	10	67.34	62.61	18.6
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	10	67.34	62.6	18.6
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	10	67.34	62.59	18.62
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	10	67.33	62.6	18.62
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	10	67.33	62.62	18.58
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	10	67.33	62.61	18.62
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	10	62.25	21.17	49.67
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	10	62.25	21.17	49.66
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	10	62.24	21.18	49.63
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	10	62.24	21.17	49.69
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	10	62.24	21.16	49.66
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	10	62.24	21.15	49.68
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	10	62.23	21.17	49.65
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	10	62.23	21.16	49.64
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	10	62.22	21.18	49.63
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	10	62.22	21.16	49.6
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	10	62.22	21.17	49.65
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	10	62.21	21.17	49.61
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	10	58.91	8.27	63.07
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	10	58.91	8.27	63.07
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	10	58.91	8.26	63.04
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	10	58.91	8.28	63.07
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	10	58.9	8.27	63.04
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	10	58.9	8.25	63.04
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	10	58.9	8.27	63.04
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	10	58.9	8.29	63.06
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	10	58.89	8.25	63.01
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	10	58.89	8.27	63.0
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	10	58.89	8.29	63.03
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	10	58.89	8.26	63.0
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	10	58.33	20.94	62.67
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	10	58.32	20.93	62.6
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	10	58.32	20.91	62.6
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	10	58.32	20.91	62.59
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	10	58.32	20.93	62.6
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	10	58.31	20.92	62.62
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	10	58.31	20.94	62.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	10	58.3	20.91	62.59
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	10	58.3	20.91	62.6
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	10	58.3	20.92	62.6
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	10	58.3	20.92	62.62
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	10	58.29	20.91	62.58
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	10	54.08	6.24	54.16
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	10	54.07	6.24	54.18
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	10	54.07	6.24	54.1
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	10	54.07	6.22	54.14
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	10	54.07	6.23	54.18
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	10	54.07	6.22	54.18
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	10	54.06	6.22	54.2
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	10	54.06	6.25	54.22
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	10	54.06	6.23	54.17
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	10	54.05	6.25	54.16
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	10	54.05	6.25	54.14
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	10	54.04	6.23	54.12
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	10	53.48	2.91	53.86
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	10	53.46	2.93	53.86
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	10	53.46	2.94	53.85
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	10	53.46	2.91	53.88
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	10	53.46	2.91	53.84
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	10	53.45	2.92	53.84
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	10	53.45	2.93	53.83
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	10	53.45	2.88	53.84
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	10	53.45	2.91	53.86
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	10	53.45	2.93	53.86
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	10	53.44	2.9	53.86
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	10	53.44	2.9	53.8
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	10	52.54	9.52	55.53
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	10	52.54	9.51	55.54
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	10	52.54	9.51	55.52
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	10	52.54	9.52	55.53
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	10	52.54	9.5	55.48
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	10	52.53	9.51	55.51
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	10	52.53	9.52	55.53
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	10	52.53	9.5	55.54
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	10	52.53	9.52	55.5
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	10	52.53	9.52	55.52
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	10	52.52	9.52	55.53
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	10	52.52	9.52	55.48
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	10	49.97	2.34	50.85
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	10	49.97	2.35	50.84
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	10	49.96	2.32	50.84
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	10	49.96	2.33	50.8
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	10	49.96	2.37	50.81
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	10	49.95	2.36	50.84
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	10	49.95	2.35	50.84
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	10	49.95	2.35	50.79
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	10	49.95	2.34	50.84
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	10	49.95	2.33	50.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	10	49.95	2.34	50.84
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	10	49.94	2.35	50.84
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	10	48.66	7.56	46.32
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	10	48.65	7.55	46.29
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	10	48.65	7.55	46.28
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	10	48.64	7.56	46.3
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	10	48.64	7.55	46.26
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	10	48.64	7.55	46.28
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	10	48.64	7.54	46.28
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	10	48.63	7.54	46.28
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	10	48.63	7.58	46.27
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	10	48.62	7.56	46.22
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	10	48.62	7.54	46.3
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	10	48.62	7.55	46.23
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	10	47.81	46.28	23.24
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	10	47.81	46.29	23.22
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	10	47.8	46.29	23.22
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	10	47.8	46.28	23.2
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	10	47.8	46.28	23.21
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	10	47.79	46.28	23.22
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	10	47.79	46.3	23.16
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	10	47.79	46.28	23.18
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	10	47.79	46.28	23.22
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	10	47.78	46.27	23.2
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	10	47.78	46.27	23.22
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	10	47.76	46.26	23.18
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	10	42.46	28.36	39.52
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	10	42.45	28.34	39.55
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	10	42.44	28.36	39.51
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	10	42.43	28.35	39.49
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	10	42.43	28.36	39.51
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	10	42.43	28.35	39.48
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	10	42.43	28.34	39.46
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	10	42.43	28.34	39.49
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	10	42.42	28.37	39.5
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	10	42.42	28.35	39.47
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	10	42.42	28.36	39.51
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	10	42.42	28.35	39.5
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	10	38.18	14.52	40.68
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	10	38.17	14.54	40.67
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	10	38.17	14.53	40.65
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	10	38.17	14.53	40.68
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	10	38.17	14.53	40.68
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	10	38.17	14.52	40.68
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	10	38.16	14.53	40.68
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	10	38.16	14.52	40.68
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	10	38.16	14.53	40.63
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	10	38.16	14.52	40.69
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	10	38.16	14.54	40.67
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	10	38.16	14.52	40.64
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	10	36.83	5.34	35.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	10	36.83	5.34	35.36
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	10	36.83	5.35	35.34
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	10	36.82	5.34	35.39
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	10	36.82	5.33	35.37
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	10	36.82	5.35	35.34
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	10	36.82	5.32	35.38
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	10	36.82	5.33	35.41
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	10	36.82	5.33	35.38
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	10	36.82	5.33	35.38
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	10	36.81	5.31	35.39
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	10	36.81	5.33	35.36
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	10	36.3	24.11	43.05
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	10	36.3	24.11	43.02
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	10	36.29	24.12	43.06
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	10	36.29	24.12	43.04
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	10	36.29	24.13	43.06
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	10	36.29	24.12	43.02
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	10	36.29	24.1	43.03
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	10	36.28	24.1	43.05
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	10	36.28	24.1	43.01
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	10	36.28	24.11	43.03
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	10	36.28	24.12	43.08
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	10	36.28	5.32	36.89
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	10	36.28	24.11	43.05
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	10	36.27	5.31	36.88
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	10	36.26	5.32	36.9
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	10	36.26	5.31	36.89
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	10	36.26	5.31	36.88
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	10	36.26	5.31	36.89
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	10	36.26	5.32	36.86
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	10	36.26	5.3	36.84
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	10	36.26	5.32	36.88
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	10	36.26	5.32	36.88
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	10	36.26	5.31	36.86
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	10	36.25	5.32	36.86
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	10	30.65	9.94	26.32
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	10	30.65	9.94	26.33
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	10	30.65	9.95	26.3
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	10	30.64	9.93	26.33
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	10	30.64	9.95	26.31
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	10	30.64	9.95	26.28
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	10	30.64	9.95	26.33
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	10	30.64	9.94	26.28
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	10	30.63	9.96	26.3
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	10	30.63	9.95	26.3
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	10	30.62	9.94	26.3
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	10	30.62	9.96	26.3
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	10	30.24	5.64	30.56
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	10	30.24	5.68	30.57
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	10	30.24	5.65	30.58
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	10	30.24	5.66	30.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	10	30.23	5.66	30.58
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	10	30.23	5.67	30.54
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	10	30.23	5.67	30.56
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	10	30.23	5.66	30.55
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	10	30.22	5.66	30.54
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	10	30.22	5.66	30.56
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	10	30.22	5.66	30.56
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	10	30.22	5.65	30.56
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	10	30.14	21.87	25.72
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	10	30.13	21.89	25.76
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	10	30.13	21.88	25.73
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	10	30.13	21.86	25.7
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	10	30.12	21.89	25.73
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	10	30.12	21.88	25.74
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	10	30.12	21.86	25.74
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	10	30.12	21.89	25.72
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	10	30.11	21.89	25.68
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	10	30.11	21.89	25.7
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	10	29.3	10.68	27.27
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	10	29.29	10.7	27.27
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	10	29.29	10.69	27.23
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	10	29.28	10.69	27.26
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	10	29.28	10.69	27.26
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	10	29.28	10.71	27.24
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	10	29.28	10.7	27.26
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	10	29.28	10.7	27.25
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	10	29.27	10.68	27.27
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	10	29.27	10.69	27.26
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	10	29.27	10.7	27.22
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	10	29.27	10.7	27.25
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	10	27.98	12.39	24.2
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	10	27.97	12.39	24.18
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	10	27.97	12.4	24.14
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	10	27.97	12.39	24.2
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	10	27.97	12.4	24.14
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	10	27.97	12.38	24.2
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	10	27.97	12.39	24.17
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	10	27.97	12.39	24.18
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	10	27.96	12.39	24.16
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	10	27.96	12.39	24.15
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	10	27.96	12.4	24.14
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	10	27.96	12.36	24.14
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	10	27.82	1.6	28.2
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	10	27.82	1.59	28.2
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	10	27.82	1.6	28.2
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	10	27.82	1.61	28.22
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	10	27.81	1.59	28.2
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	10	27.81	1.61	28.22
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	10	27.81	1.59	28.19
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	10	27.81	1.61	28.21
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	10	27.8	1.61	28.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	10	27.8	1.6	28.21
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	10	27.8	1.58	28.2
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	10	27.79	1.61	28.16
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	10	27.01	6.53	27.12
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	10	27.01	6.53	27.14
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	10	27.01	6.53	27.14
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	10	27.01	6.52	27.14
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	10	27.01	6.53	27.12
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	10	27.01	6.49	27.15
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	10	27.0	6.53	27.12
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	10	27.0	6.52	27.12
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	10	27.0	6.53	27.17
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	10	26.99	6.51	27.1
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	10	26.99	6.52	27.14
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	10	26.98	6.5	27.08
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	10	26.79	11.39	30.46
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	10	26.77	11.38	30.44
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	10	26.77	11.39	30.44
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	10	26.77	11.39	30.45
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	10	26.77	11.38	30.47
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	10	26.77	11.4	30.46
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	10	26.76	11.39	30.48
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	10	26.76	11.39	30.45
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	10	26.76	11.39	30.4
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	10	26.76	11.4	30.44
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	10	26.76	11.37	30.44
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	10	26.76	11.38	30.42
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	10	25.88	4.23	24.24
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	10	25.88	4.22	24.26
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	10	25.88	4.21	24.25
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	10	25.87	4.23	24.24
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	10	25.87	4.21	24.24
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	10	25.87	4.2	24.24
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	10	25.86	4.22	24.23
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	10	25.86	4.21	24.22
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	10	25.86	4.21	24.21
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	10	25.86	4.21	24.2
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	10	25.86	4.2	24.26
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	10	25.86	4.21	24.21
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	10	25.02	7.53	22.63
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	10	25.02	7.55	22.65
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	10	25.01	7.55	22.65
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	10	25.01	7.55	22.59
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	10	25.01	7.56	22.62
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	10	25.01	7.54	22.64
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	10	25.0	7.55	22.61
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	10	25.0	7.54	22.6
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	10	25.0	7.53	22.64
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	10	25.0	7.55	22.6
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	10	24.99	7.55	22.59
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	10	24.99	7.54	22.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	10	24.63	8.56	22.9
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	10	24.63	8.55	22.88
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	10	24.63	8.56	22.88
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	10	24.63	8.56	22.86
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	10	24.62	8.57	22.84
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	10	24.62	8.56	22.9
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	10	24.62	8.56	22.88
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	10	24.62	8.57	22.9
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	10	24.62	8.56	22.86
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	10	24.61	8.58	22.87
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	10	24.61	8.55	22.88
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	10	24.61	8.57	22.84
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	10	21.98	11.99	16.05
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	10	21.98	12.01	16.04
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	10	21.97	11.99	16.05
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	10	21.97	11.97	16.05
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	10	21.97	12.0	16.08
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	10	21.97	12.0	16.02
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	10	21.97	11.98	16.05
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	10	21.96	11.99	16.06
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	10	21.96	11.98	16.05
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	10	21.96	11.99	16.0
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	10	21.96	11.98	16.03
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	10	21.95	11.97	16.01
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	10	21.6	5.86	19.99
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	10	21.6	5.84	20.03
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	10	21.59	5.85	20.0
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	10	21.59	5.84	20.01
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	10	21.59	5.85	19.98
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	10	21.58	5.85	19.95
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	10	21.58	5.84	19.97
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	10	21.58	5.84	20.01
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	10	21.58	5.86	19.98
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	10	21.58	5.86	19.97
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	10	21.58	5.86	19.98
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	10	21.56	5.86	19.99
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	10	20.12	3.2	21.16
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	10	20.11	3.19	21.14
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	10	20.11	3.17	21.17
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	10	20.11	3.18	21.15
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	10	20.1	3.19	21.14
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	10	20.1	3.17	21.18
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	10	20.1	3.2	21.16
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	10	20.1	3.17	21.14
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	10	20.09	3.18	21.14
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	10	20.08	3.18	21.11
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	10	20.08	3.18	21.12
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	10	20.08	3.18	21.16
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	10	19.96	9.38	15.9
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	10	19.96	9.35	15.88
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	10	19.95	9.38	15.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	10	19.95	9.38	15.89
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	10	19.95	9.39	15.86
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	10	19.95	9.38	15.86
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	10	19.95	9.38	15.87
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	10	19.94	9.34	15.88
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	10	19.94	9.38	15.89
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	10	19.94	9.38	15.88
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	10	19.94	9.38	15.86
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	10	19.92	9.39	15.85
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	10	19.89	1.67	19.58
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	10	19.89	1.69	19.53
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	10	19.89	1.67	19.58
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	10	19.88	1.66	19.59
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	10	19.88	1.66	19.58
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	10	19.88	1.67	19.55
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	10	19.87	1.65	19.52
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	10	19.87	1.69	19.59
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	10	19.87	1.67	19.55
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	10	19.86	1.66	19.55
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	10	19.86	1.66	19.56
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	10	19.85	1.7	19.53
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	10	19.83	6.75	19.99
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	10	19.83	6.74	19.95
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	10	19.82	6.73	20.02
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	10	19.82	6.76	19.94
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	10	19.81	6.73	19.95
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	10	19.81	6.74	19.94
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	10	19.81	6.76	19.98
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	10	19.81	6.75	19.97
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	10	19.8	6.73	19.94
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	10	19.8	6.73	19.92
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	10	19.79	6.75	19.96
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	10	19.78	6.74	19.95
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	10	19.16	6.05	20.7
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	10	19.16	6.03	20.72
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	10	19.15	6.04	20.72
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	10	19.15	6.03	20.7
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	10	19.14	6.04	20.67
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	10	19.14	6.04	20.68
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	10	19.14	6.03	20.63
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	10	19.14	6.05	20.72
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	10	19.14	6.05	20.68
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	10	19.14	6.06	20.7
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	10	19.14	6.05	20.67
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	10	19.13	6.04	20.69
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	10	18.8	19.04	9.57
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	10	18.79	19.02	9.54
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	10	18.79	19.01	9.52
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	10	18.79	19.0	9.57
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	10	18.79	19.01	9.52
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	10	18.79	19.02	9.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	10	18.79	19.04	9.54
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	10	18.78	19.01	9.57
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	10	18.78	19.03	9.54
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	10	18.78	19.03	9.54
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	10	18.78	19.03	9.52
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	10	18.78	19.02	9.5
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	10	17.79	4.2	17.26
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	10	17.78	4.18	17.27
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	10	17.78	4.2	17.24
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	10	17.77	4.19	17.24
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	10	17.77	4.18	17.23
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	10	17.77	4.2	17.22
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	10	17.76	4.19	17.26
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	10	17.76	4.19	17.21
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	10	17.75	4.18	17.22
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	10	17.75	4.19	17.21
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	10	17.75	4.2	17.23
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	10	17.75	4.19	17.21
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	10	17.21	4.15	17.02
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	10	17.2	4.15	17.07
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	10	17.2	4.16	17.06
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	10	17.2	4.16	17.04
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	10	17.2	4.16	17.06
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	10	17.19	4.16	17.02
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	10	17.19	4.17	17.04
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	10	17.19	4.15	17.05
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	10	17.19	4.15	17.01
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	10	17.19	4.17	17.08
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	10	17.19	4.14	17.03
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	10	17.17	4.15	17.03
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	10	16.74	4.68	15.44
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	10	16.73	4.66	15.4
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	10	16.73	4.67	15.42
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	10	16.73	4.69	15.45
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	10	16.73	4.65	15.42
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	10	16.73	4.66	15.39
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	10	16.72	4.69	15.42
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	10	16.72	4.68	15.39
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	10	16.72	4.65	15.4
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	10	16.72	4.63	15.43
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	10	16.71	4.65	15.43
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	10	16.71	4.66	15.4
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	10	16.47	4.93	19.09
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	10	16.46	4.91	19.06
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	10	16.44	4.91	19.04
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	10	16.44	4.9	19.05
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	10	16.44	4.9	19.06
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	10	16.44	4.92	19.02
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	10	16.43	4.94	19.06
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	10	16.43	4.92	19.02
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	10	16.43	4.92	19.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	10	16.43	4.93	19.03
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	10	16.43	4.9	19.0
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	10	16.42	4.91	19.02
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	10	14.98	6.63	16.08
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	10	14.98	6.64	16.05
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	10	14.98	6.63	16.02
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	10	14.98	6.65	16.04
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	10	14.98	6.63	16.07
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	10	14.98	6.64	16.02
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	10	14.98	6.64	16.05
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	10	14.98	6.64	16.02
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	10	14.97	6.64	16.06
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	10	14.97	6.63	16.1
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	10	14.96	6.63	16.02
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	10	14.95	6.64	16.02
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	10	14.93	4.11	14.79
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	10	14.92	4.11	14.77
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	10	14.92	4.14	14.77
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	10	14.92	4.13	14.77
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	10	14.92	4.13	14.76
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	10	14.92	4.13	14.8
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	10	14.92	4.14	14.8
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	10	14.92	4.12	14.76
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	10	14.91	4.13	14.77
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	10	14.91	4.11	14.76
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	10	14.91	4.11	14.8
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	10	14.9	4.12	14.78
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	10	14.8	10.14	10.24
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	10	14.79	10.12	10.26
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	10	14.79	10.14	10.28
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	10	14.78	10.14	10.26
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	10	14.78	10.15	10.24
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	10	14.78	10.14	10.24
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	10	14.78	10.15	10.27
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	10	14.78	10.14	10.23
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	10	14.78	10.12	10.28
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	10	14.77	10.14	10.22
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	10	14.77	10.14	10.23
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	10	14.77	10.14	10.22
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	10	14.52	3.81	15.68
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	10	14.51	3.8	15.65
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	10	14.51	3.82	15.66
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	10	14.51	3.81	15.67
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	10	14.51	3.81	15.68
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	10	14.51	3.8	15.66
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	10	14.5	3.82	15.7
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	10	14.5	3.81	15.66
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	10	14.5	3.8	15.66
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	10	14.5	3.8	15.66
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	10	14.49	3.83	15.66
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	10	14.49	3.82	15.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	10	13.9	5.94	13.76
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	10	13.89	5.93	13.75
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	10	13.89	5.92	13.78
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	10	13.89	5.93	13.78
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	10	13.89	5.92	13.75
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	10	13.89	5.94	13.74
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	10	13.89	5.92	13.73
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	10	13.89	5.93	13.76
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	10	13.89	5.94	13.74
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	10	13.89	5.95	13.78
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	10	13.89	5.93	13.72
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	10	13.88	5.93	13.74
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	10	12.75	6.85	16.24
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	10	12.75	6.85	16.24
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	10	12.75	6.86	16.3
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	10	12.75	6.85	16.25
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	10	12.74	6.86	16.26
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	10	12.74	6.87	16.24
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	10	12.74	6.85	16.24
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	10	12.73	6.86	16.27
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	10	12.73	6.84	16.24
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	10	12.73	6.85	16.23
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	10	12.72	6.83	16.26
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	10	12.72	6.85	16.2
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	10	9.29	3.87	8.35
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	10	9.28	3.86	8.33
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	10	9.28	3.87	8.33
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	10	9.28	3.86	8.34
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	10	9.28	3.87	8.34
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	10	9.27	3.87	8.28
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	10	9.27	3.88	8.31
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	10	9.27	3.87	8.31
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	10	9.27	3.86	8.33
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	10	9.27	3.86	8.3
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	10	9.26	3.86	8.33
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	10	9.26	3.87	8.31
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	10	9.26	2.0	9.02
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	10	9.25	2.02	9.0
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	10	9.25	2.0	9.04
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	10	9.25	2.01	9.01
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	10	9.25	2.0	9.02
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	10	9.25	2.0	9.02
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	10	9.24	2.0	9.04
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	10	9.24	1.99	8.99
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	10	9.24	1.99	8.99
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	10	9.24	1.99	9.01
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	10	9.24	1.99	8.99
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	10	9.23	2.0	8.99
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	10	9.2	2.96	9.34
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	10	9.19	2.95	9.34
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	10	9.19	2.94	9.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	10	9.18	2.94	9.35
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	10	9.18	2.95	9.35
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	10	9.18	2.95	9.38
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	10	9.18	2.94	9.34
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	10	9.18	2.95	9.35
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	10	9.17	2.95	9.32
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	10	9.17	2.94	9.3
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	10	9.17	2.94	9.31
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	10	9.16	2.96	9.35
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	10	9.04	4.16	8.73
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	10	9.04	4.18	8.78
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	10	9.03	4.19	8.8
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	10	9.03	4.18	8.78
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	10	9.03	4.18	8.74
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	10	9.02	4.18	8.79
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	10	9.02	4.18	8.78
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	10	9.02	4.17	8.79
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	10	9.02	4.17	8.77
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	10	9.02	4.16	8.7
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	10	9.02	4.18	8.73
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	10	9.01	4.16	8.81
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	10	8.6	5.84	5.76
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	10	8.6	5.86	5.8
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	10	8.6	5.86	5.78
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	10	8.59	5.84	5.8
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	10	8.59	5.85	5.78
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	10	8.59	5.86	5.82
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	10	8.59	5.87	5.76
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	10	8.59	5.84	5.79
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	10	8.59	5.85	5.78
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	10	8.59	5.85	5.78
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	10	8.58	5.85	5.76
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	10	8.58	5.85	5.76
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	10	8.01	3.8	7.9
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	10	8.0	3.81	7.88
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	10	8.0	3.81	7.89
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	10	7.99	3.77	7.9
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	10	7.99	3.79	7.84
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	10	7.98	3.79	7.85
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	10	7.98	3.79	7.87
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	10	7.97	3.81	7.87
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	10	7.97	3.78	7.84
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	10	7.97	3.79	7.85
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	10	7.96	3.79	7.88
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	10	7.95	3.81	7.85
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	10	7.1	1.75	6.97
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	10	7.1	1.75	6.98
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	10	7.1	1.73	6.98
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	10	7.09	1.75	7.0
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	10	7.09	1.77	6.98
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	10	7.09	1.73	7.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	10	7.09	1.74	6.96
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	10	7.09	1.74	6.96
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	10	7.08	1.73	6.96
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	10	7.08	1.74	7.01
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	10	7.08	1.74	7.0
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	10	7.08	1.72	6.96
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	10	4.13	1.56	3.81
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	10	4.13	2.26	3.46
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	10	4.13	2.23	3.42
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	10	4.13	2.25	3.4
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	10	4.12	1.56	3.84
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	10	4.12	1.57	3.78
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	10	4.12	2.25	3.41
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	10	4.12	2.25	3.44
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	10	4.12	2.27	3.43
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	10	4.12	1.56	3.81
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	10	4.11	2.24	3.38
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	10	4.11	2.24	3.4
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	10	4.11	1.54	3.83
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	10	4.11	1.55	3.82
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	10	4.1	1.58	3.8
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	10	4.1	2.26	3.45
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	10	4.1	1.57	3.82
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	10	4.1	2.25	3.38
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	10	4.1	1.57	3.8
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	10	4.1	1.57	3.84
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	10	4.1	1.55	3.8
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	10	4.09	1.55	3.79
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	10	4.08	2.24	3.41
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	10	4.08	2.26	3.36
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	9	33.36	20.67	26.61
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	9	33.35	20.67	26.57
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	9	22.77	14.88	18.2
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	9	22.77	14.87	18.21
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	9	22.76	14.86	18.24
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	9	22.76	14.88	18.22
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	9	22.76	14.88	18.22
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	9	22.75	14.87	18.19
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	9	22.75	14.87	18.18
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	9	22.75	14.87	18.2
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	9	22.75	14.87	18.19
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	9	22.74	14.86	18.18
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	9	22.74	14.88	18.24
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	9	22.74	14.86	18.2
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	9	14.53	7.35	13.12
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	9	14.52	7.35	13.09
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	9	14.52	7.37	13.11
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	9	14.52	7.36	13.12
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	9	14.51	7.35	13.08
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	9	14.51	7.36	13.09
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	9	14.51	7.35	13.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	9	14.51	7.36	13.08
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	9	14.51	7.35	13.07
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	9	14.5	7.35	13.13
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	9	14.5	7.35	13.12
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	9	14.5	7.36	13.07
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	9	13.2	8.68	13.46
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	9	13.19	8.65	13.43
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	9	13.19	8.65	13.52
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	9	13.19	8.64	13.45
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	9	13.19	8.65	13.45
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	9	13.19	8.66	13.42
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	9	13.19	8.66	13.43
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	9	13.19	8.68	13.4
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	9	13.19	8.65	13.42
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	9	13.18	8.65	13.48
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	9	13.18	8.66	13.4
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	9	13.17	8.66	13.38
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	9	12.43	6.39	15.47
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	9	12.43	6.38	15.47
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	9	12.42	6.4	15.47
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	9	12.42	6.38	15.4
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	9	12.42	6.37	15.46
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	9	12.41	6.38	15.47
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	9	12.41	6.4	15.48
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	9	12.41	6.37	15.44
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	9	12.41	6.38	15.44
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	9	12.41	6.38	15.48
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	9	12.4	6.37	15.4
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	9	12.4	6.38	15.47
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	9	12.21	5.89	13.95
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	9	12.2	5.88	13.92
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	9	12.2	5.9	13.93
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	9	12.2	5.89	13.95
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	9	12.2	5.89	13.93
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	9	12.19	5.89	13.91
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	9	12.19	5.89	13.95
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	9	12.19	5.89	13.93
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	9	12.19	5.89	13.88
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	9	12.18	5.88	13.9
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	9	12.18	5.9	13.92
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	9	12.18	5.9	13.88
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	9	11.18	4.72	13.4
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	9	11.18	4.72	13.37
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	9	11.17	4.72	13.42
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	9	11.17	4.72	13.43
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	9	11.17	4.72	13.44
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	9	11.17	4.71	13.42
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	9	11.17	4.73	13.39
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	9	11.17	4.73	13.43
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	9	11.16	4.72	13.41
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	9	11.16	4.72	13.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	9	11.16	4.73	13.42
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	9	11.15	4.72	13.35
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	9	10.41	4.06	11.62
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	9	10.41	4.08	11.66
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	9	10.4	4.09	11.64
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	9	10.4	4.06	11.62
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	9	10.4	4.08	11.64
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	9	10.4	4.06	11.67
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	9	10.39	4.08	11.65
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	9	10.39	4.07	11.62
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	9	10.39	4.07	11.61
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	9	10.39	4.07	11.63
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	9	10.39	4.06	11.62
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	9	10.38	4.07	11.61
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	9	6.3	3.16	6.66
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	9	6.29	3.15	6.66
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	9	6.28	3.15	6.61
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	9	6.28	3.14	6.65
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	9	5.92	2.95	5.57
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	9	5.92	2.98	5.57
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	9	5.91	2.96	5.55
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	9	5.9	2.96	5.56
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	9	5.9	2.95	5.56
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	9	5.9	2.96	5.58
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	9	5.89	2.97	5.59
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	9	5.89	2.96	5.56
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	9	5.89	2.94	5.54
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	9	5.89	2.98	5.49
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	9	5.88	2.97	5.53
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	9	5.88	2.96	5.55
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	9	5.4	3.14	5.69
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	9	5.39	3.13	5.64
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	8	36.46	34.03	16.79
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	8	36.45	34.04	16.76
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	8	36.45	34.03	16.8
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	8	36.44	34.02	16.79
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	8	36.44	34.05	16.8
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	8	36.44	34.03	16.75
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	8	36.44	34.02	16.77
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	8	36.43	34.04	16.74
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	8	36.43	34.04	16.79
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	8	36.43	34.03	16.78
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	8	36.43	34.04	16.76
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	8	36.42	34.05	16.78
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	8	25.66	10.59	26.46
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	8	25.64	10.59	26.42
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	8	25.64	10.6	26.39
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	8	25.63	10.57	26.4
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	8	25.63	10.61	26.43
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	8	25.63	10.59	26.38
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	8	25.63	10.6	26.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	8	25.63	10.59	26.4
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	8	25.62	10.58	26.4
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	8	25.62	10.6	26.39
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	8	25.61	10.59	26.4
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	8	25.59	10.57	26.38
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	8	22.89	22.14	7.28
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	8	22.88	22.17	7.28
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	8	22.88	22.17	7.3
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	8	22.88	22.16	7.32
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	22.87	22.17	7.3
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	8	22.87	22.14	7.29
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	8	22.87	22.17	7.3
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	8	22.87	22.14	7.29
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	8	22.87	22.16	7.27
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	8	22.86	22.15	7.26
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	8	22.86	22.17	7.24
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	8	22.85	22.18	7.27
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	8	18.3	7.99	17.32
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	8	18.29	7.97	17.3
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	8	18.28	7.98	17.31
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	8	18.28	7.98	17.31
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	8	18.27	7.98	17.29
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	8	18.27	7.98	17.3
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	8	18.26	7.97	17.29
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	8	18.26	7.97	17.3
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	8	18.26	7.97	17.3
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	8	18.26	7.97	17.29
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	8	18.26	7.98	17.27
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	8	18.25	7.97	17.24
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	8	15.12	4.64	14.25
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	8	15.11	4.64	14.24
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	8	15.11	4.66	14.22
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	8	15.11	4.65	14.22
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	8	15.1	4.66	14.24
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	8	15.09	4.64	14.24
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	8	15.09	4.67	14.23
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	8	15.08	4.65	14.25
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	8	15.08	4.63	14.19
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	8	15.08	4.63	14.22
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	8	15.08	4.63	14.2
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	8	15.07	4.64	14.17
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	8	13.2	10.84	6.99
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	8	13.2	10.81	6.96
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	8	13.2	10.81	6.98
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	8	13.19	10.82	6.92
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	8	13.19	10.82	6.94
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	8	13.19	10.8	6.96
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	8	13.19	10.81	6.94
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	8	13.18	10.84	6.95
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	8	13.18	10.81	6.96
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	8	13.18	10.8	6.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	8	13.17	10.82	6.96
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	8	13.16	10.83	6.92
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	8	13.11	3.97	13.83
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	8	13.1	3.96	13.86
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	8	13.1	3.97	13.84
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	8	13.1	3.98	13.85
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	8	13.1	3.98	13.84
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	8	13.1	3.96	13.83
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	8	13.09	3.95	13.82
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	8	13.09	3.95	13.81
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	8	13.09	3.96	13.8
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	8	13.09	3.96	13.82
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	8	13.09	3.97	13.82
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	8	13.08	3.97	13.84
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	8	12.62	7.84	12.73
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	8	12.62	7.81	12.7
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	8	12.62	7.82	12.7
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	8	12.62	7.82	12.68
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	8	12.61	7.84	12.72
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	8	12.61	7.82	12.72
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	8	12.61	7.83	12.73
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	8	12.6	7.82	12.69
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	8	12.6	7.82	12.69
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	8	12.6	7.82	12.68
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	8	12.59	7.82	12.68
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	8	12.59	7.84	12.7
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	8	8.11	4.1	9.38
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	8	8.11	4.08	9.35
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	8	8.1	4.08	9.35
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	8	8.09	4.12	9.4
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	8	8.09	4.08	9.36
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	8	8.09	4.11	9.36
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	8	8.08	4.11	9.35
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	8	8.08	4.08	9.36
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	8	8.08	4.08	9.33
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	8	8.07	4.09	9.36
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	8	8.07	4.12	9.35
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	8	8.07	4.14	9.36
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	8	7.93	4.09	7.9
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	8	7.92	4.09	7.87
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	8	7.91	4.08	7.88
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	8	7.91	4.09	7.9
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	8	7.91	4.09	7.92
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	8	7.9	4.08	7.93
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	8	7.9	4.1	7.9
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	8	7.9	4.08	7.94
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	8	7.89	4.08	7.89
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	8	7.88	4.08	7.86
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	8	7.88	4.09	7.9
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	8	7.86	4.09	7.84
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	8	6.95	2.69	6.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	8	6.95	2.68	6.87
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	8	6.95	2.7	6.82
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	8	6.94	2.69	6.82
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	8	6.94	2.71	6.88
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	8	6.94	4.13	5.26
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	8	6.94	2.71	6.85
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	8	6.94	4.15	5.23
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	8	6.93	2.72	6.83
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	8	6.93	4.13	5.26
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	8	6.92	4.13	5.21
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	8	6.92	4.12	5.24
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	8	6.92	2.7	6.8
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	8	6.92	4.12	5.22
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	8	6.91	4.13	5.2
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	8	6.91	4.14	5.22
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	8	6.91	4.14	5.24
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	8	6.91	4.13	5.22
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	8	6.91	4.12	5.24
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	8	6.91	4.11	5.24
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	8	6.27	3.8	4.86
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	8	6.26	3.81	4.86
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	8	6.26	3.78	4.85
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	8	6.26	3.81	4.84
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	8	6.26	3.8	4.84
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	8	6.26	3.78	4.86
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	8	6.26	3.78	4.83
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	8	6.25	3.78	4.86
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	8	6.25	3.81	4.85
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	8	6.25	3.79	4.8
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	8	6.24	3.8	4.82
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	8	6.24	3.8	4.82
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	8	5.96	2.88	6.12
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	8	5.96	2.89	6.12
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	8	5.95	2.88	6.1
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	8	5.95	2.87	6.11
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	8	5.95	2.88	6.11
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	8	5.95	2.89	6.09
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	8	5.94	2.9	6.06
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	8	5.94	2.89	6.06
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	8	5.93	2.91	6.06
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	8	5.93	2.88	6.06
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	7	127.71	19.41	113.47
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	7	127.69	19.41	113.38
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	7	127.69	19.42	113.42
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	7	127.69	19.44	113.28
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	7	127.68	19.43	113.43
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	7	127.68	19.43	113.34
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	7	127.68	19.4	113.39
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	7	127.68	19.41	113.32
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	7	127.68	19.44	113.3
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	7	127.68	19.43	113.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	7	127.67	19.43	113.31
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	7	127.66	19.43	113.27
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	7	120.52	5.93	117.97
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	7	120.51	5.98	117.84
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	7	120.49	5.95	117.84
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	7	120.49	5.94	117.95
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	7	120.49	5.94	117.96
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	7	120.49	5.97	117.88
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	7	120.49	5.97	117.87
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	7	120.48	5.94	117.91
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	7	120.48	5.96	117.91
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	7	120.47	5.94	117.92
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	7	120.47	5.95	117.85
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	7	120.47	5.95	117.8
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	7	47.54	11.81	38.64
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	7	47.54	11.79	38.69
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	7	47.54	11.83	38.64
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	7	47.53	11.83	38.64
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	7	47.53	11.82	38.61
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	7	47.53	11.8	38.61
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	7	47.53	11.8	38.63
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	7	47.52	11.81	38.67
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	7	47.51	11.81	38.69
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	7	47.51	11.81	38.63
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	7	47.5	11.82	38.54
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	7	47.5	11.78	38.63
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	7	26.75	4.55	26.72
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	7	26.74	4.55	26.67
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	7	26.74	4.53	26.65
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	7	26.74	4.55	26.68
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	7	26.73	4.51	26.71
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	7	26.73	4.54	26.62
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	7	26.73	4.54	26.67
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	7	26.73	4.54	26.67
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	7	26.73	4.51	26.7
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	7	26.73	4.56	26.63
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	7	26.72	4.55	26.63
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	7	26.72	4.53	26.67
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	7	22.99	12.22	17.75
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	7	22.98	12.2	17.72
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	7	22.97	12.22	17.69
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	7	22.97	12.2	17.74
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	7	22.97	12.2	17.74
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	7	22.96	12.21	17.7
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	7	22.96	12.19	17.75
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	7	22.96	12.22	17.68
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	7	22.95	12.21	17.68
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	7	22.95	12.22	17.72
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	7	22.94	12.23	17.69
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	7	22.93	12.21	17.66
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	7	21.61	5.56	20.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	7	21.61	5.54	20.57
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	7	21.6	5.55	20.55
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	7	21.6	5.54	20.53
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	7	21.6	5.55	20.6
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	7	21.59	5.57	20.58
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	7	21.59	5.56	20.6
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	7	21.58	5.54	20.62
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	7	21.58	5.53	20.55
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	7	21.57	5.56	20.51
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	7	21.57	5.55	20.53
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	7	21.57	5.55	20.55
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	7	20.97	4.33	20.37
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	7	20.97	4.34	20.4
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	7	20.96	4.33	20.33
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	7	20.96	4.37	20.37
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	7	20.96	4.36	20.34
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	7	20.95	4.34	20.38
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	7	20.95	4.37	20.38
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	7	20.95	4.34	20.32
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	7	20.94	4.35	20.32
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	7	20.94	4.35	20.37
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	7	20.93	4.34	20.29
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	7	20.93	4.37	20.35
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	7	16.61	9.39	21.07
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	7	16.6	9.4	21.06
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	7	16.59	9.38	21.09
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	7	16.59	9.4	21.07
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	7	16.59	9.4	21.04
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	7	16.58	9.4	21.08
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	7	16.58	9.4	21.1
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	7	16.58	9.39	21.03
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	7	16.58	9.42	21.12
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	7	16.58	9.4	21.08
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	7	16.58	9.41	21.13
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	7	16.58	9.4	21.07
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	7	14.79	2.69	13.88
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	7	14.77	2.69	13.91
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	7	14.77	2.69	13.89
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	7	14.77	2.71	13.87
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	7	14.76	2.7	13.86
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	7	14.76	2.71	13.84
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	7	14.76	2.7	13.85
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	7	14.76	2.7	13.82
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	7	14.75	2.7	13.8
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	7	14.75	2.7	13.88
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	7	14.75	2.7	13.81
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	7	14.74	2.71	13.85
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	7	13.82	5.82	11.16
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	7	13.81	5.8	11.16
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	7	13.81	5.82	11.16
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	7	13.8	5.82	11.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	7	13.8	5.82	11.14
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	7	13.8	5.81	11.12
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	7	13.79	5.84	11.13
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	7	13.79	5.82	11.17
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	7	13.78	5.83	11.12
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	7	13.78	5.8	11.09
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	7	13.77	5.81	11.12
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	7	13.77	5.83	11.09
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	7	12.52	2.04	11.87
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	7	12.52	2.02	11.87
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	7	12.52	2.05	11.87
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	7	12.52	2.04	11.86
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	7	12.51	2.03	11.87
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	7	12.51	2.05	11.83
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	7	12.51	2.04	11.83
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	7	12.51	2.03	11.92
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	7	12.5	2.05	11.87
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	7	12.5	2.07	11.76
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	7	12.49	2.03	11.8
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	7	12.49	2.05	11.83
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	7	11.06	4.04	11.92
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	7	11.06	4.07	11.97
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	7	11.05	4.04	11.94
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	7	11.05	4.03	12.03
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	7	11.05	4.06	11.93
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	7	11.05	4.07	11.94
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	7	11.05	4.07	12.02
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	7	11.05	4.07	11.95
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	7	11.04	4.07	11.92
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	7	11.04	4.05	11.9
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	7	11.04	4.06	11.96
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	7	11.03	4.06	11.98
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	7	9.89	6.37	9.52
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	7	9.89	6.37	9.49
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	7	9.89	6.36	9.49
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	7	9.88	6.39	9.46
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	7	9.88	6.37	9.47
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	7	9.88	6.37	9.49
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	7	9.87	6.38	9.46
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	7	9.87	6.37	9.45
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	7	9.87	6.38	9.5
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	7	9.86	6.36	9.5
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	7	9.86	6.38	9.47
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	7	9.86	6.38	9.53
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	7	9.83	4.65	9.5
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	7	9.83	4.65	9.52
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	7	9.81	4.65	9.49
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	7	9.8	4.65	9.51
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	7	9.8	4.64	9.48
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	7	9.8	4.62	9.45
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	7	9.8	4.64	9.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	7	9.8	4.62	9.48
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	7	9.8	4.62	9.47
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	7	9.78	4.63	9.46
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	7	9.78	4.65	9.47
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	7	9.78	4.62	9.49
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	7	8.79	2.99	7.69
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	7	8.79	2.97	7.68
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	7	8.78	3.0	7.73
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	7	8.78	3.0	7.7
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	7	8.78	2.99	7.71
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	7	8.78	2.98	7.65
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	7	8.77	2.97	7.71
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	7	8.77	2.98	7.68
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	7	8.77	2.99	7.68
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	7	8.76	2.98	7.7
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	7	8.76	2.99	7.69
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	7	8.75	2.99	7.67
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	7	8.49	3.83	8.48
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	7	8.49	3.85	8.44
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	7	8.49	3.84	8.49
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	7	8.48	3.84	8.5
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	7	8.47	3.84	8.5
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	7	8.47	3.83	8.43
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	7	8.47	3.83	8.48
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	7	8.47	3.83	8.45
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	7	8.47	3.82	8.44
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	7	8.47	3.83	8.47
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	7	8.46	3.83	8.44
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	7	8.46	3.84	8.43
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	7	8.03	2.47	7.74
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	7	8.03	2.47	7.79
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	7	8.02	2.48	7.7
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	7	8.02	2.47	7.77
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	7	8.02	2.5	7.77
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	7	8.01	2.5	7.77
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	7	8.01	2.47	7.72
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	7	8.01	2.48	7.76
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	7	8.01	2.48	7.79
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	7	8.0	2.48	7.73
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	7	8.0	2.48	7.77
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	7	8.0	2.47	7.71
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	7	7.65	2.24	6.71
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	7	7.63	2.25	6.7
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	7	7.63	2.25	6.75
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	7	7.63	2.22	6.67
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	7	7.63	2.24	6.7
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	7	7.62	2.23	6.69
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	7	7.61	2.24	6.65
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	7	7.61	2.25	6.61
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	7	7.61	2.24	6.65
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	7	7.61	2.21	6.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	7	7.6	2.26	6.65
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	7	7.6	2.23	6.64
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	7	6.98	3.2	6.69
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	7	6.96	3.2	6.65
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	7	6.96	3.17	6.66
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	7	6.96	3.16	6.62
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	7	6.95	3.2	6.62
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	7	6.95	3.18	6.64
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	7	6.95	3.19	6.65
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	7	6.95	3.18	6.64
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	7	6.94	3.21	6.61
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	7	6.94	2.95	6.85
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	7	6.93	2.99	6.79
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	7	6.93	3.2	6.6
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	7	6.93	3.19	6.64
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	7	6.93	3.19	6.6
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	7	6.92	2.95	6.8
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	7	6.92	2.96	6.78
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	7	6.92	2.97	6.81
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	7	6.92	2.96	6.84
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	7	6.91	2.98	6.83
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	7	6.91	2.97	6.78
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	7	6.9	2.96	6.8
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	7	6.9	2.97	6.73
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	7	6.9	2.97	6.79
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	7	6.89	2.97	6.8
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	7	6.89	4.48	5.09
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	7	6.89	4.49	5.06
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	7	6.88	4.47	5.06
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	7	6.88	4.49	5.04
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	7	6.88	4.49	5.04
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	7	6.87	4.49	5.05
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	7	6.87	4.48	5.04
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	7	6.87	4.5	5.02
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	7	6.86	4.47	5.08
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	7	6.86	4.48	5.07
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	7	6.86	4.5	5.04
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	7	6.85	4.48	5.03
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	7	6.48	1.76	7.01
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	7	6.46	1.78	6.95
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	7	6.46	1.75	6.95
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	7	6.45	1.75	6.99
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	7	6.45	1.76	6.96
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	7	6.45	1.74	6.95
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	7	6.44	1.73	6.94
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	7	6.44	1.75	6.94
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	7	6.43	1.74	6.89
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	7	6.43	1.75	6.95
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	7	6.43	1.75	6.93
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	7	6.42	1.76	6.91
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	7	6.26	3.6	6.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	7	6.25	3.63	6.17
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	7	6.25	3.61	6.2
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	7	6.24	3.62	6.17
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	7	6.24	3.63	6.2
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	7	6.24	3.6	6.17
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	7	6.23	3.62	6.2
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	7	6.23	3.6	6.2
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	7	6.23	3.62	6.17
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	7	6.23	3.64	6.14
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	7	6.23	3.61	6.13
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	7	6.22	3.61	6.19
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	7	5.7	2.9	5.66
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	7	5.0	2.61	4.43
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	7	4.99	2.62	4.41
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	7	4.98	2.62	4.42
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	7	4.98	2.61	4.38
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	7	4.98	2.62	4.41
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	7	4.98	2.64	4.42
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	7	4.97	2.61	4.47
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	7	4.97	2.61	4.38
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	7	4.97	2.61	4.33
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	7	4.97	2.61	4.4
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	7	4.96	2.61	4.42
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	7	4.95	2.62	4.41
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	7	3.82	2.62	3.82
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	7	3.81	2.64	3.83
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	7	3.81	2.63	3.81
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	7	3.81	2.64	3.81
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	7	3.81	2.63	3.79
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	7	3.8	2.63	3.87
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	7	3.8	2.64	3.83
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	7	3.8	2.63	3.78
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	7	3.79	2.64	3.84
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	7	3.79	2.62	3.76
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	7	3.79	2.64	3.8
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	7	3.79	2.62	3.79
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	7	3.74	2.08	2.96
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	7	3.74	2.08	3.01
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	7	3.74	2.08	3.01
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	7	3.73	2.07	2.98
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	7	3.73	2.09	2.94
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	7	3.72	2.08	2.98
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	7	3.72	2.09	2.97
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	7	3.72	2.09	2.99
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	7	3.72	2.08	2.97
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	7	3.71	2.06	2.9
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	7	3.7	2.07	2.96
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	7	3.69	2.06	2.96
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	7	3.66	1.69	3.48
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	7	3.65	1.67	3.5
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	7	3.65	1.71	3.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	7	3.64	1.67	3.5
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	7	3.64	1.69	3.49
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	7	3.64	1.68	3.48
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	7	3.63	1.7	3.44
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	7	3.63	1.67	3.51
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	7	3.63	1.69	3.43
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	7	3.63	1.67	3.52
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	7	3.63	1.69	3.46
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	7	3.63	1.68	3.48
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	7	2.87	1.3	2.6
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	7	2.86	1.29	2.6
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	7	2.86	1.3	2.56
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	7	2.85	1.3	2.55
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	7	2.85	1.29	2.59
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	7	2.85	1.3	2.55
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	7	2.85	1.3	2.56
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	7	2.85	1.31	2.58
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	7	2.85	1.31	2.55
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	7	2.85	1.31	2.54
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	7	2.83	1.31	2.54
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	7	2.83	1.3	2.62
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	6	22.36	19.34	21.58
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	6	19.99	7.35	20.1
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	6	19.99	7.36	20.06
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	6	19.99	7.37	20.07
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	6	19.99	7.33	20.09
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	6	19.98	7.35	20.06
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	6	19.98	7.36	20.08
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	6	19.98	7.36	20.08
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	6	19.97	7.36	20.06
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	6	19.97	7.35	20.1
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	6	19.97	7.37	20.05
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	6	19.96	7.36	20.02
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	6	19.96	7.35	20.05
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	6	19.63	12.27	20.36
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	6	19.62	12.29	20.34
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	6	19.62	12.31	20.32
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	6	19.62	12.29	20.31
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	6	19.61	12.3	20.33
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	6	19.6	12.29	20.33
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	6	19.6	12.3	20.3
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	6	19.6	12.28	20.31
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	6	19.6	12.3	20.3
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	6	19.59	12.29	20.3
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	6	19.59	12.27	20.29
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	6	19.59	12.3	20.28
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	6	17.29	8.53	18.13
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	6	17.27	8.53	18.12
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	6	17.27	8.51	18.15
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	6	17.26	8.5	18.12
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	6	17.26	8.52	18.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	6	17.26	8.53	18.16
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	6	17.26	8.52	18.1
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	6	17.24	8.54	18.1
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	6	17.24	8.52	18.08
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	6	17.23	8.55	18.1
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	6	17.23	8.54	18.1
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	6	17.23	8.56	18.1
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	6	14.61	7.66	17.93
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	6	14.61	7.65	17.9
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	6	14.6	7.68	17.93
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	6	14.59	7.66	17.88
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	6	14.59	7.67	17.9
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	6	14.59	7.65	17.9
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	6	14.58	7.67	17.87
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	6	14.58	7.66	17.9
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	6	14.58	7.67	17.88
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	6	14.58	7.69	17.9
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	6	14.57	7.67	17.9
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	6	14.56	7.65	17.87
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	6	14.18	7.62	18.17
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	6	14.17	7.59	18.14
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	6	14.16	7.57	18.09
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	6	14.15	7.57	18.12
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	6	14.15	7.59	18.14
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	6	14.15	7.58	18.14
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	6	14.15	7.57	18.12
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	6	14.15	7.59	18.11
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	6	14.14	7.59	18.1
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	6	14.14	7.61	18.14
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	6	14.14	7.62	18.13
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	6	14.14	7.59	18.1
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	6	13.99	6.4	12.77
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	6	13.99	6.4	12.76
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	6	13.98	6.39	12.76
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	6	13.97	6.4	12.76
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	6	13.97	6.38	12.78
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	6	13.97	6.36	12.77
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	6	13.97	6.42	12.76
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	6	13.96	6.38	12.76
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	6	13.96	6.39	12.74
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	6	13.95	6.4	12.74
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	6	13.95	6.4	12.75
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	6	13.95	6.39	12.74
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	6	13.13	4.65	12.34
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	6	13.12	4.67	12.36
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	6	13.12	4.66	12.33
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	6	13.12	4.65	12.34
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	6	13.12	4.65	12.37
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	6	13.12	4.63	12.36
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	6	13.12	4.65	12.32
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	6	13.12	4.64	12.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	6	13.11	4.64	12.37
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	6	13.1	4.66	12.31
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	6	13.1	4.61	12.34
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	6	13.1	4.65	12.31
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	6	12.36	4.15	11.9
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	6	12.36	4.15	11.87
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	6	12.35	4.15	11.9
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	6	12.35	4.14	11.87
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	6	12.35	4.13	11.88
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	6	12.35	4.17	11.9
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	6	12.34	4.16	11.87
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	6	12.34	4.15	11.91
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	6	12.34	4.13	11.89
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	6	12.34	4.13	11.86
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	6	12.34	4.14	11.88
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	6	12.34	4.13	11.88
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	6	9.27	4.27	9.97
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	6	9.26	4.29	10.01
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	6	9.26	4.28	9.99
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	6	9.26	4.29	10.01
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	6	9.25	4.28	9.96
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	6	9.25	4.26	9.98
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	6	9.25	4.29	9.98
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	6	9.25	4.27	9.97
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	6	9.25	4.27	9.97
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	6	9.24	4.29	9.95
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	6	9.24	4.28	9.98
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	6	9.23	4.28	9.94
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	6	8.9	6.72	8.51
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	6	8.89	6.75	8.54
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	6	8.89	6.74	8.51
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	6	8.89	6.74	8.52
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	6	8.89	6.75	8.5
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	6	8.88	6.75	8.48
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	6	8.88	6.74	8.51
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	6	8.88	6.74	8.48
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	6	8.88	6.75	8.49
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	6	8.88	6.73	8.52
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	6	8.88	6.72	8.52
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	6	8.87	6.75	8.51
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	6	8.54	3.97	8.25
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	6	8.53	3.99	8.26
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	6	8.52	3.99	8.23
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	6	8.52	3.99	8.24
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	6	8.52	3.97	8.25
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	6	8.51	3.96	8.24
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	6	8.51	3.98	8.25
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	6	8.51	3.98	8.24
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	6	8.51	3.98	8.25
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	6	8.51	3.99	8.26
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	6	8.49	3.99	8.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	6	8.49	3.98	8.22
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	6	7.48	6.02	5.1
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	6	7.48	6.01	5.1
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	6	7.48	6.03	5.09
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	6	7.47	6.01	5.11
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	6	7.47	6.03	5.07
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	6	7.47	6.01	5.11
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	6	7.46	6.0	5.09
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	6	7.46	6.02	5.08
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	6	7.46	6.03	5.08
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	6	7.46	6.01	5.08
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	6	7.45	6.02	5.05
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	6	7.44	6.02	5.05
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	6	6.51	2.35	5.93
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	6	6.5	2.35	5.95
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	6	6.49	2.34	5.95
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	6	6.48	2.37	5.88
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	6	6.48	2.36	5.93
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	6	6.48	2.36	5.92
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	6	6.47	2.37	5.9
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	6	6.47	2.35	5.9
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	6	6.47	2.35	5.9
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	6	6.47	2.34	5.92
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	6	6.46	2.36	5.94
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	6	5.05	3.19	4.74
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	6	5.03	3.18	4.75
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	6	5.02	3.17	4.76
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	6	5.02	3.2	4.74
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	6	5.02	3.19	4.74
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	6	5.01	3.17	4.72
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	6	5.01	3.19	4.72
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	6	5.01	3.2	4.75
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	6	5.01	3.19	4.74
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	6	5.01	3.21	4.7
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	6	5.0	3.2	4.72
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	6	5.0	3.21	4.74
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	6	3.94	1.81	3.16
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	6	3.93	1.81	3.12
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	6	3.92	1.79	3.1
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	6	3.92	1.79	3.09
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	6	3.91	1.77	3.12
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	6	3.91	1.8	3.11
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	6	3.91	1.8	3.08
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	6	3.9	1.79	3.1
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	6	3.9	1.79	3.08
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	6	3.89	1.8	3.08
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	6	3.89	1.83	3.06
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	6	3.89	1.82	3.06
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	6	3.13	2.54	2.26
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	6	3.13	2.53	2.3
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	6	3.12	2.53	2.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	6	3.12	2.51	2.24
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	6	3.12	2.54	2.27
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	6	3.12	2.54	2.26
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	6	3.12	2.52	2.26
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	6	3.11	2.56	2.22
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	6	3.11	2.55	2.26
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	6	3.1	2.53	2.24
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	6	3.09	2.54	2.2
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	6	3.09	2.52	2.22
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	5	26.67	18.46	38.43
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	5	26.65	18.46	38.42
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	5	26.65	18.46	38.39
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	5	26.64	18.43	38.36
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	5	26.63	18.46	38.38
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	5	26.63	18.43	38.36
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	5	26.63	18.43	38.37
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	5	26.63	18.43	38.36
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	5	26.62	18.44	38.33
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	5	26.62	18.45	38.38
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	5	26.61	18.42	38.35
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	5	16.04	11.07	24.54
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	5	16.03	11.07	24.56
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	5	16.02	11.09	24.58
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	5	16.02	11.06	24.57
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	5	16.02	11.07	24.57
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	5	16.02	11.07	24.57
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	5	16.01	11.1	24.56
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	5	16.01	11.08	24.54
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	5	16.01	11.06	24.49
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	5	16.0	11.06	24.55
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	5	16.0	11.08	24.58
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	5	15.98	11.07	24.46
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	5	13.05	6.23	17.49
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	5	13.04	6.27	17.52
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	5	13.04	6.27	17.52
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	5	13.03	6.23	17.45
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	5	13.02	6.26	17.47
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	5	13.02	6.24	17.46
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	5	13.01	6.24	17.49
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	5	13.01	6.24	17.44
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	5	13.01	6.27	17.45
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	5	13.01	6.23	17.47
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	5	13.0	6.24	17.44
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	5	12.98	6.26	17.46
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	5	11.29	6.32	12.82
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	5	11.29	6.35	12.81
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	5	11.29	6.31	12.81
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	5	11.28	6.33	12.76
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	5	11.27	6.32	12.75
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	5	11.27	6.36	12.71
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	5	11.27	6.31	12.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	5	11.27	6.31	12.73
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	5	11.26	6.31	12.74
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	5	11.25	6.33	12.72
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	5	11.25	6.32	12.69
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	5	11.25	6.31	12.71
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	5	7.92	3.69	9.91
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	5	7.91	3.7	9.87
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	5	7.91	3.7	9.89
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	5	7.91	3.71	9.92
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	5	7.91	3.69	9.9
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	5	7.9	3.72	9.95
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	5	7.9	3.68	9.89
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	5	7.9	3.7	9.93
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	5	7.89	3.72	9.93
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	5	7.89	3.69	9.85
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	5	7.89	3.71	9.93
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	5	7.89	3.71	9.85
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	5	7.43	3.05	8.2
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	5	7.42	3.06	8.24
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	5	7.41	3.05	8.2
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	5	7.41	3.02	8.2
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	5	7.41	3.04	8.24
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	5	7.41	3.03	8.18
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	5	7.41	3.03	8.23
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	5	7.41	3.04	8.22
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	5	7.41	3.05	8.16
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	5	7.39	3.05	8.19
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	5	7.39	3.04	8.19
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	5	7.39	3.06	8.14
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	5	6.57	2.49	6.63
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	5	6.57	2.5	6.69
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	5	6.57	2.48	6.68
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	5	6.56	2.49	6.66
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	5	6.56	2.44	6.68
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	5	6.56	2.47	6.71
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	5	6.56	2.45	6.66
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	5	6.54	2.47	6.66
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	5	6.54	2.46	6.63
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	5	6.54	2.49	6.67
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	5	6.54	2.45	6.6
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	5	6.53	2.47	6.66
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	5	6.24	1.56	6.24
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	5	6.23	1.61	6.25
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	5	6.23	1.58	6.19
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	5	6.23	1.6	6.16
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	5	6.21	1.56	6.22
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	5	6.21	1.57	6.23
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	5	6.21	1.59	6.19
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	5	6.21	1.6	6.23
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	5	6.21	1.57	6.25
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	5	6.21	1.58	6.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	5	6.2	1.58	6.26
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	5	6.2	1.58	6.24
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	5	6.02	2.0	6.55
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	5	6.02	1.94	6.55
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	5	6.02	1.95	6.51
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	5	6.01	1.95	6.57
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	5	6.01	1.95	6.52
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	5	6.01	1.98	6.56
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	5	6.01	1.96	6.57
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	5	6.0	1.98	6.52
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	5	6.0	1.95	6.51
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	5	6.0	1.95	6.49
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	5	5.99	1.96	6.53
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	5	5.99	1.98	6.51
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	5	5.97	1.79	5.35
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	5	5.97	1.78	5.34
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	5	5.97	1.77	5.35
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	5	5.96	1.78	5.32
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	5	5.96	1.77	5.29
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	5	5.96	1.78	5.29
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	5	5.95	1.76	5.31
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	5	5.95	1.77	5.32
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	5	5.95	1.78	5.32
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	5	5.94	1.78	5.32
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	5	5.94	1.78	5.32
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	5	5.94	1.79	5.29
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	5	5.86	2.02	7.02
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	5	5.86	1.98	6.99
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	5	5.85	2.03	7.0
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	5	5.85	1.99	6.99
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	5	5.84	2.0	6.97
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	5	5.84	2.02	6.92
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	5	5.84	2.01	6.98
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	5	5.84	1.99	6.96
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	5	5.84	2.01	6.95
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	5	5.84	4.33	3.78
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	5	5.84	2.01	6.91
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	5	5.84	2.01	6.99
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	5	5.83	4.3	3.8
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	5	5.83	2.04	6.98
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	5	5.83	4.28	3.77
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	5	5.82	4.29	3.76
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	5	5.82	4.33	3.77
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	5	5.82	4.29	3.78
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	5	5.82	4.31	3.78
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	5	5.81	4.29	3.76
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	5	5.81	4.3	3.83
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	5	5.8	4.3	3.75
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	5	5.8	4.29	3.75
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	5	5.76	4.35	3.7
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	5	5.21	2.13	5.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	5	5.21	2.11	5.21
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	5	5.21	2.14	5.12
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	5	5.2	2.13	5.16
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	5	5.2	2.13	5.17
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	5	5.2	2.13	5.17
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	5	5.2	2.11	5.17
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	5	5.2	2.14	5.13
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	5	5.2	2.11	5.16
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	5	5.2	2.13	5.14
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	5	5.19	2.14	5.16
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	5	5.18	2.13	5.12
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	5	5.01	2.5	6.36
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	5	5.0	2.48	6.35
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	5	5.0	2.48	6.3
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	5	5.0	2.49	6.3
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	5	5.0	2.46	6.32
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	5	5.0	2.47	6.32
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	5	5.0	2.48	6.29
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	5	4.99	2.46	6.35
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	5	4.99	2.48	6.31
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	5	4.99	2.48	6.27
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	5	4.99	2.49	6.31
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	5	4.98	2.49	6.28
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	5	4.7	1.94	5.46
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	5	4.7	1.92	5.48
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	5	4.69	1.92	5.49
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	5	4.69	1.93	5.44
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	5	4.69	1.91	5.43
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	5	4.68	1.94	5.47
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	5	4.68	1.91	5.47
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	5	4.68	1.93	5.46
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	5	4.67	1.92	5.46
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	5	4.67	1.94	5.44
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	5	4.67	2.07	4.02
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	5	4.67	2.08	4.01
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	5	4.66	1.95	5.44
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	5	4.66	2.05	4.02
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	5	4.66	1.94	5.44
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	5	4.65	2.05	4.01
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	5	4.65	2.05	4.1
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	5	4.64	2.04	4.06
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	5	4.64	2.08	4.0
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	5	4.64	2.05	4.02
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	5	4.63	2.06	4.02
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	5	4.63	2.08	3.96
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	5	4.63	2.09	4.05
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	5	4.63	2.09	3.93
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	5	3.64	2.16	2.37
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	5	3.63	2.17	2.4
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	5	3.63	2.18	2.37
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	5	3.62	2.16	2.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	5	3.62	2.16	2.35
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	5	3.62	2.17	2.29
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	5	3.62	2.15	2.34
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	5	3.62	2.17	2.36
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	5	3.62	2.16	2.33
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	5	3.62	2.17	2.32
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	5	3.61	2.17	2.32
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	5	3.61	2.17	2.31
(1,669)	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	1:53:G:ILE:N	4	92.94	3.38	92.31
(1,661)	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	1:53:J:ILE:N	4	92.93	3.36	92.27
(1,668)	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	1:53:C:ILE:N	4	92.93	3.37	92.26
(1,662)	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	1:53:E:ILE:N	4	92.92	3.36	92.24
(1,671)	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	1:53:I:ILE:N	4	92.92	3.36	92.22
(1,664)	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	1:53:A:ILE:N	4	92.92	3.35	92.22
(1,667)	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	1:53:B:ILE:N	4	92.92	3.41	92.22
(1,666)	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	1:53:L:ILE:N	4	92.91	3.37	92.22
(1,672)	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	1:53:H:ILE:N	4	92.9	3.37	92.22
(1,665)	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	1:53:D:ILE:N	4	92.9	3.36	92.21
(1,670)	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	1:53:F:ILE:N	4	92.88	3.38	92.16
(1,663)	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	1:53:K:ILE:N	4	92.88	3.38	92.2
(1,2000)	1:124:C:GLY:C	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	4	57.05	2.6	56.76
(1,2003)	1:124:I:GLY:C	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	4	57.04	2.62	56.76
(1,2004)	1:124:D:GLY:C	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	4	57.04	2.6	56.76
(1,1994)	1:124:A:GLY:C	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	4	57.04	2.6	56.79
(1,1999)	1:124:F:GLY:C	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	4	57.03	2.62	56.77
(1,2002)	1:124:G:GLY:C	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	4	57.03	2.6	56.77
(1,1998)	1:124:J:GLY:C	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	4	57.02	2.61	56.74
(1,1997)	1:124:H:GLY:C	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	4	57.02	2.63	56.74
(1,2001)	1:124:B:GLY:C	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	4	57.02	2.58	56.78
(1,1996)	1:124:L:GLY:C	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	4	57.02	2.62	56.74
(1,1993)	1:124:E:GLY:C	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	4	57.01	2.61	56.76
(1,1995)	1:124:K:GLY:C	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	4	57.0	2.62	56.74
(1,2770)	1:166:L:THR:C	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	4	14.96	3.19	15.86
(1,2762)	1:166:J:THR:C	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	4	14.94	3.17	15.86
(1,2769)	1:166:H:THR:C	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	4	14.94	3.19	15.82
(1,2766)	1:166:F:THR:C	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	4	14.93	3.16	15.82
(1,2763)	1:166:B:THR:C	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	4	14.93	3.18	15.84
(1,2764)	1:166:E:THR:C	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	4	14.93	3.15	15.78
(1,2765)	1:166:G:THR:C	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	4	14.92	3.17	15.8
(1,2767)	1:166:I:THR:C	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	4	14.92	3.18	15.8
(1,2768)	1:166:A:THR:C	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	4	14.92	3.19	15.8
(1,2761)	1:166:D:THR:C	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	4	14.91	3.17	15.82
(1,2771)	1:166:C:THR:C	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	4	14.91	3.2	15.8
(1,2772)	1:166:K:THR:C	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	4	14.91	3.2	15.8
(1,902)	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	1:69:C:GLY:N	4	14.4	2.13	14.5
(1,903)	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	1:69:B:GLY:N	4	14.4	2.12	14.48
(1,904)	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	1:69:G:GLY:N	4	14.4	2.13	14.45
(1,910)	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	1:69:E:GLY:N	4	14.4	2.11	14.46
(1,912)	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	1:69:H:GLY:N	4	14.4	2.14	14.49
(1,909)	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	1:69:L:GLY:N	4	14.39	2.12	14.46
(1,907)	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	1:69:A:GLY:N	4	14.38	2.13	14.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,911)	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	1:69:J:GLY:N	4	14.38	2.13	14.46
(1,908)	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	1:69:K:GLY:N	4	14.38	2.15	14.48
(1,901)	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	1:69:F:GLY:N	4	14.38	2.11	14.46
(1,905)	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	1:69:I:GLY:N	4	14.38	2.11	14.45
(1,906)	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	1:69:D:GLY:N	4	14.37	2.12	14.42
(1,1420)	1:92:J:TRP:C	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	4	11.02	2.27	11.67
(1,1417)	1:92:K:TRP:C	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	4	11.01	2.26	11.66
(1,1363)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PHE:N	4	11.01	4.03	12.88
(1,1427)	1:92:H:TRP:C	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	4	11.01	2.27	11.66
(1,1428)	1:92:C:TRP:C	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	4	11.01	2.23	11.64
(1,1358)	1:90:B:LYS:N	1:90:B:LYS:CA	1:90:B:LYS:C	1:91:B:PHE:N	4	11.0	4.04	12.86
(1,1365)	1:90:L:LYS:N	1:90:L:LYS:CA	1:90:L:LYS:C	1:91:L:PHE:N	4	11.0	4.03	12.87
(1,1423)	1:92:A:TRP:C	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	4	11.0	2.26	11.66
(1,1357)	1:90:H:LYS:N	1:90:H:LYS:CA	1:90:H:LYS:C	1:91:H:PHE:N	4	11.0	4.04	12.85
(1,1418)	1:92:L:TRP:C	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	4	11.0	2.28	11.67
(1,1424)	1:92:B:TRP:C	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	4	11.0	2.25	11.62
(1,1368)	1:90:C:LYS:N	1:90:C:LYS:CA	1:90:C:LYS:C	1:91:C:PHE:N	4	10.99	4.05	12.85
(1,1426)	1:92:I:TRP:C	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	4	10.99	2.26	11.64
(1,1362)	1:90:E:LYS:N	1:90:E:LYS:CA	1:90:E:LYS:C	1:91:E:PHE:N	4	10.99	4.02	12.81
(1,1421)	1:92:E:TRP:C	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	4	10.99	2.28	11.64
(1,1360)	1:90:I:LYS:N	1:90:I:LYS:CA	1:90:I:LYS:C	1:91:I:PHE:N	4	10.98	4.02	12.84
(1,1361)	1:90:F:LYS:N	1:90:F:LYS:CA	1:90:F:LYS:C	1:91:F:PHE:N	4	10.98	4.01	12.84
(1,1359)	1:90:G:LYS:N	1:90:G:LYS:CA	1:90:G:LYS:C	1:91:G:PHE:N	4	10.98	4.07	12.87
(1,1366)	1:90:J:LYS:N	1:90:J:LYS:CA	1:90:J:LYS:C	1:91:J:PHE:N	4	10.98	4.02	12.84
(1,1367)	1:90:K:LYS:N	1:90:K:LYS:CA	1:90:K:LYS:C	1:91:K:PHE:N	4	10.98	4.01	12.8
(1,1364)	1:90:D:LYS:N	1:90:D:LYS:CA	1:90:D:LYS:C	1:91:D:PHE:N	4	10.97	4.03	12.82
(1,1419)	1:92:D:TRP:C	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	4	10.97	2.26	11.61
(1,1425)	1:92:G:TRP:C	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	4	10.97	2.23	11.62
(1,1422)	1:92:F:TRP:C	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	4	10.96	2.27	11.6
(1,107)	1:10:B:ASP:C	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	4	10.26	5.38	11.83
(1,97)	1:10:J:ASP:C	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	4	10.26	5.42	11.82
(1,102)	1:10:K:ASP:C	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	4	10.25	5.4	11.8
(1,101)	1:10:I:ASP:C	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	4	10.24	5.39	11.8
(1,98)	1:10:D:ASP:C	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	4	10.24	5.41	11.82
(1,105)	1:10:F:ASP:C	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	4	10.24	5.41	11.82
(1,106)	1:10:E:ASP:C	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	4	10.24	5.41	11.82
(1,108)	1:10:A:ASP:C	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	4	10.23	5.4	11.78
(1,99)	1:10:G:ASP:C	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	4	10.22	5.4	11.8
(1,103)	1:10:L:ASP:C	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	4	10.22	5.44	11.84
(1,104)	1:10:H:ASP:C	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	4	10.22	5.4	11.77
(1,100)	1:10:C:ASP:C	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	4	10.21	5.39	11.77
(1,1049)	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	1:78:G:ALA:N	4	9.63	1.12	9.76
(1,1054)	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	1:78:E:ALA:N	4	9.62	1.15	9.72
(1,1055)	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	1:78:K:ALA:N	4	9.6	1.15	9.68
(1,1048)	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	1:78:B:ALA:N	4	9.6	1.15	9.72
(1,1047)	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	1:78:F:ALA:N	4	9.59	1.15	9.71
(1,1050)	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	1:78:I:ALA:N	4	9.59	1.1	9.7
(1,1051)	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	1:78:H:ALA:N	4	9.58	1.11	9.72
(1,1056)	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	1:78:L:ALA:N	4	9.58	1.13	9.7
(1,1053)	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	1:78:A:ALA:N	4	9.58	1.1	9.68
(1,1052)	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	1:78:J:ALA:N	4	9.57	1.13	9.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1046)	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	1:78:C:ALA:N	4	9.56	1.14	9.7
(1,1045)	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	1:78:D:ALA:N	4	9.55	1.08	9.66
(1,293)	1:18:F:ILE:C	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	4	8.74	3.79	9.93
(1,300)	1:18:K:ILE:C	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	4	8.74	3.79	9.94
(1,294)	1:18:B:ILE:C	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	4	8.74	3.78	9.89
(1,290)	1:18:D:ILE:C	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	4	8.72	3.76	9.9
(1,297)	1:18:H:ILE:C	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	4	8.72	3.76	9.86
(1,296)	1:18:I:ILE:C	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	4	8.72	3.77	9.89
(1,295)	1:18:G:ILE:C	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	4	8.72	3.76	9.86
(1,292)	1:18:E:ILE:C	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	4	8.7	3.75	9.85
(1,291)	1:18:A:ILE:C	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	4	8.69	3.81	9.86
(1,298)	1:18:L:ILE:C	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	4	8.69	3.78	9.84
(1,299)	1:18:C:ILE:C	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	4	8.69	3.72	9.85
(1,289)	1:18:J:ILE:C	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	4	8.67	3.74	9.84
(1,1807)	1:113:I:ILE:C	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	4	8.41	4.95	9.45
(1,1806)	1:113:L:ILE:C	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	4	8.39	4.96	9.43
(1,1810)	1:113:H:ILE:C	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	4	8.39	4.98	9.46
(1,1802)	1:113:E:ILE:C	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	4	8.39	4.98	9.47
(1,1809)	1:113:G:ILE:C	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	4	8.38	4.98	9.46
(1,1812)	1:113:A:ILE:C	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	4	8.38	5.0	9.44
(1,1801)	1:113:F:ILE:C	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	4	8.37	4.99	9.41
(1,1808)	1:113:C:ILE:C	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	4	8.37	5.01	9.43
(1,1811)	1:113:B:ILE:C	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	4	8.36	4.99	9.44
(1,1804)	1:113:D:ILE:C	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	4	8.36	4.98	9.44
(1,69)	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1:10:B:ASP:N	4	7.68	2.45	8.49
(1,61)	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1:10:H:ASP:N	4	7.68	2.5	8.5
(1,67)	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1:10:E:ASP:N	4	7.68	2.49	8.5
(1,71)	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1:10:F:ASP:N	4	7.67	2.46	8.48
(1,62)	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1:10:I:ASP:N	4	7.67	2.47	8.46
(1,63)	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1:10:K:ASP:N	4	7.66	2.46	8.46
(1,64)	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1:10:A:ASP:N	4	7.66	2.47	8.47
(1,68)	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1:10:D:ASP:N	4	7.66	2.48	8.48
(1,70)	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1:10:C:ASP:N	4	7.66	2.47	8.46
(1,65)	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1:10:G:ASP:N	4	7.65	2.5	8.46
(1,66)	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1:10:L:ASP:N	4	7.64	2.5	8.48
(1,72)	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1:10:J:ASP:N	4	7.63	2.48	8.46
(1,918)	1:69:H:GLY:C	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	4	6.78	0.9	7.13
(1,920)	1:69:G:GLY:C	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	4	6.77	0.9	7.1
(1,921)	1:69:I:GLY:C	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	4	6.76	0.91	7.12
(1,914)	1:69:L:GLY:C	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	4	6.76	0.89	7.11
(1,915)	1:69:A:GLY:C	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	4	6.75	0.89	7.12
(1,924)	1:69:D:GLY:C	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	4	6.75	0.91	7.12
(1,913)	1:69:K:GLY:C	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	4	6.75	0.89	7.1
(1,922)	1:69:F:GLY:C	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	4	6.75	0.89	7.09
(1,919)	1:69:B:GLY:C	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	4	6.74	0.9	7.12
(1,917)	1:69:J:GLY:C	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	4	6.74	0.9	7.1
(1,923)	1:69:C:GLY:C	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	4	6.73	0.88	7.08
(1,916)	1:69:E:GLY:C	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	4	6.72	0.89	7.08
(1,1507)	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1:101:H:ASN:N	4	4.46	4.14	2.66
(1,1501)	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1:101:B:ASN:N	4	4.44	4.11	2.69
(1,1502)	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1:101:C:ASN:N	4	4.44	4.18	2.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1503)	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1:101:G:ASN:N	4	4.44	4.14	2.68
(1,1504)	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1:101:F:ASN:N	4	4.43	4.13	2.68
(1,1511)	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1:101:A:ASN:N	4	4.43	4.17	2.62
(1,1509)	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1:101:E:ASN:N	4	4.42	4.15	2.64
(1,1510)	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1:101:K:ASN:N	4	4.42	4.14	2.62
(1,1508)	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1:101:J:ASN:N	4	4.42	4.17	2.63
(1,1505)	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1:101:I:ASN:N	4	4.41	4.15	2.6
(1,1512)	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1:101:D:ASN:N	4	4.41	4.12	2.65
(1,1506)	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1:101:L:ASN:N	4	4.37	4.13	2.59
(1,1778)	1:112:L:TYR:C	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	4	3.88	1.93	3.94
(1,1782)	1:112:G:TYR:C	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	4	3.87	1.97	3.96
(1,1786)	1:112:J:TYR:C	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	4	3.87	1.95	3.94
(1,1781)	1:112:A:TYR:C	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	4	3.87	1.96	3.92
(1,1779)	1:112:H:TYR:C	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	4	3.85	1.97	3.92
(1,1783)	1:112:F:TYR:C	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	4	3.85	1.97	3.92
(1,1777)	1:112:C:TYR:C	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	4	3.84	1.96	3.92
(1,1784)	1:112:I:TYR:C	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	4	3.84	1.94	3.88
(1,1780)	1:112:B:TYR:C	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	4	3.83	1.96	3.88
(1,1785)	1:112:E:TYR:C	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	4	3.82	1.94	3.89
(1,1401)	1:91:G:PHE:C	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	4	3.56	3.07	1.83
(1,1399)	1:91:L:PHE:C	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	4	3.55	3.09	1.81
(1,1402)	1:91:H:PHE:C	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	4	3.54	3.09	1.8
(1,1403)	1:91:B:PHE:C	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	4	3.54	3.07	1.8
(1,1395)	1:91:I:PHE:C	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	4	3.53	3.08	1.8
(1,1400)	1:91:C:PHE:C	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	4	3.52	3.08	1.8
(1,1404)	1:91:A:PHE:C	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	4	3.52	3.08	1.78
(1,1394)	1:91:E:PHE:C	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	4	3.52	3.07	1.81
(1,1396)	1:91:J:PHE:C	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	4	3.51	3.06	1.77
(1,1397)	1:91:D:PHE:C	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	4	3.51	3.07	1.79
(1,1398)	1:91:K:PHE:C	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	4	3.49	3.1	1.75
(1,1393)	1:91:F:PHE:C	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	4	3.48	3.07	1.74
(1,1105)	1:79:B:ILE:C	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	4	3.34	1.59	3.53
(1,1107)	1:79:G:ILE:C	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	4	3.34	1.57	3.5
(1,1108)	1:79:F:ILE:C	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	4	3.34	1.57	3.46
(1,1114)	1:79:L:ILE:C	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	4	3.34	1.57	3.51
(1,1110)	1:79:J:ILE:C	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	4	3.33	1.56	3.52
(1,1115)	1:79:E:ILE:C	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	4	3.32	1.56	3.5
(1,1109)	1:79:I:ILE:C	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	4	3.32	1.56	3.5
(1,1116)	1:79:D:ILE:C	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	4	3.32	1.59	3.47
(1,1106)	1:79:C:ILE:C	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	4	3.31	1.59	3.47
(1,1112)	1:79:K:ILE:C	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	4	3.31	1.62	3.46
(1,1113)	1:79:A:ILE:C	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	4	3.3	1.58	3.47
(1,1111)	1:79:H:ILE:C	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	4	3.29	1.6	3.47
(1,1093)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLU:N	4	3.09	1.56	2.88
(1,1095)	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1:80:C:GLU:N	4	3.05	1.55	2.81
(1,1097)	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1:80:L:GLU:N	4	3.04	1.54	2.82
(1,1103)	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1:80:I:GLU:N	4	3.04	1.54	2.82
(1,1094)	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1:80:H:GLU:N	4	3.03	1.52	2.85
(1,1100)	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1:80:J:GLU:N	4	3.03	1.56	2.82
(1,1099)	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1:80:G:GLU:N	4	3.03	1.57	2.79
(1,1102)	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1:80:E:GLU:N	4	3.03	1.53	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1096)	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1:80:K:GLU:N	4	3.02	1.56	2.79
(1,1098)	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1:80:D:GLU:N	4	3.02	1.54	2.82
(1,1101)	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1:80:B:GLU:N	4	3.0	1.56	2.81
(1,1104)	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1:80:F:GLU:N	4	3.0	1.53	2.77
(1,1070)	1:78:H:ALA:N	1:78:H:ALA:CA	1:78:H:ALA:C	1:79:H:ILE:N	4	2.32	0.39	2.24
(1,1077)	1:78:J:ALA:N	1:78:J:ALA:CA	1:78:J:ALA:C	1:79:J:ILE:N	4	2.32	0.38	2.27
(1,1076)	1:78:D:ALA:N	1:78:D:ALA:CA	1:78:D:ALA:C	1:79:D:ILE:N	4	2.32	0.39	2.24
(1,1072)	1:78:I:ALA:N	1:78:I:ALA:CA	1:78:I:ALA:C	1:79:I:ILE:N	4	2.31	0.41	2.28
(1,1080)	1:78:F:ALA:N	1:78:F:ALA:CA	1:78:F:ALA:C	1:79:F:ILE:N	4	2.31	0.41	2.22
(1,1078)	1:78:B:ALA:N	1:78:B:ALA:CA	1:78:B:ALA:C	1:79:B:ILE:N	4	2.31	0.38	2.26
(1,1074)	1:78:K:ALA:N	1:78:K:ALA:CA	1:78:K:ALA:C	1:79:K:ILE:N	4	2.3	0.4	2.24
(1,1073)	1:78:C:ALA:N	1:78:C:ALA:CA	1:78:C:ALA:C	1:79:C:ILE:N	4	2.3	0.37	2.26
(1,1069)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ILE:N	4	2.3	0.36	2.24
(1,1071)	1:78:G:ALA:N	1:78:G:ALA:CA	1:78:G:ALA:C	1:79:G:ILE:N	4	2.29	0.37	2.24
(1,1075)	1:78:L:ALA:N	1:78:L:ALA:CA	1:78:L:ALA:C	1:79:L:ILE:N	4	2.29	0.39	2.24
(1,1135)	1:80:A:GLU:C	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	4	2.29	0.56	2.08
(1,1139)	1:80:J:GLU:C	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	4	2.28	0.55	2.1
(1,1131)	1:80:B:GLU:C	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	4	2.28	0.59	2.09
(1,1079)	1:78:E:ALA:N	1:78:E:ALA:CA	1:78:E:ALA:C	1:79:E:ILE:N	4	2.28	0.37	2.2
(1,1132)	1:80:G:GLU:C	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	4	2.28	0.55	2.09
(1,1134)	1:80:D:GLU:C	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	4	2.27	0.55	2.12
(1,1133)	1:80:I:GLU:C	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	4	2.27	0.58	2.09
(1,1136)	1:80:K:GLU:C	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	4	2.27	0.54	2.1
(1,1140)	1:80:H:GLU:C	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	4	2.27	0.56	2.06
(1,1138)	1:80:E:GLU:C	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	4	2.26	0.56	2.06
(1,1129)	1:80:F:GLU:C	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	4	2.26	0.57	2.1
(1,1130)	1:80:C:GLU:C	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	4	2.24	0.53	2.07
(1,1137)	1:80:L:GLU:C	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	4	2.23	0.57	2.04
(1,1822)	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1:115:H:SER:N	4	1.38	0.19	1.4
(1,1813)	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1:115:F:SER:N	4	1.36	0.19	1.41
(1,1815)	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1:115:J:SER:N	4	1.33	0.15	1.4
(1,1821)	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1:115:G:SER:N	4	1.32	0.19	1.38
(1,589)	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	1:46:J:GLU:N	3	28.47	2.77	29.76
(1,599)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:GLU:N	3	28.46	2.79	29.73
(1,594)	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	1:46:K:GLU:N	3	28.46	2.74	29.74
(1,596)	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	1:46:H:GLU:N	3	28.46	2.77	29.75
(1,590)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:GLU:N	3	28.45	2.76	29.71
(1,597)	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	1:46:F:GLU:N	3	28.45	2.77	29.74
(1,598)	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	1:46:E:GLU:N	3	28.45	2.77	29.74
(1,595)	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	1:46:L:GLU:N	3	28.45	2.79	29.75
(1,593)	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	1:46:G:GLU:N	3	28.45	2.74	29.73
(1,600)	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	1:46:A:GLU:N	3	28.44	2.79	29.74
(1,591)	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1:46:C:GLU:N	3	28.43	2.79	29.75
(1,592)	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	1:46:I:GLU:N	3	28.43	2.78	29.69
(1,699)	1:53:A:ILE:C	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	3	28.33	1.89	27.45
(1,703)	1:53:G:ILE:C	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	3	28.32	1.91	27.44
(1,707)	1:53:C:ILE:C	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	3	28.31	1.89	27.41
(1,697)	1:53:J:ILE:C	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	3	28.3	1.9	27.35
(1,700)	1:53:E:ILE:C	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	3	28.3	1.88	27.36
(1,701)	1:53:F:ILE:C	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	3	28.3	1.9	27.35
(1,704)	1:53:I:ILE:C	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	3	28.3	1.88	27.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,698)	1:53:D:ILE:C	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	3	28.29	1.87	27.35
(1,702)	1:53:B:ILE:C	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	3	28.28	1.86	27.4
(1,705)	1:53:H:ILE:C	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	3	28.28	1.91	27.34
(1,708)	1:53:K:ILE:C	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	3	28.28	1.9	27.37
(1,706)	1:53:L:ILE:C	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	3	28.28	1.9	27.35
(1,2020)	1:126:G:VAL:C	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	3	26.83	1.48	27.78
(1,2017)	1:126:F:VAL:C	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	3	26.82	1.47	27.73
(1,2023)	1:126:D:VAL:C	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	3	26.82	1.51	27.83
(1,2018)	1:126:C:VAL:C	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	3	26.82	1.48	27.78
(1,2019)	1:126:B:VAL:C	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	3	26.81	1.48	27.71
(1,2026)	1:126:K:VAL:C	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	3	26.81	1.49	27.79
(1,2021)	1:126:I:VAL:C	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	3	26.81	1.5	27.72
(1,2024)	1:126:E:VAL:C	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	3	26.8	1.5	27.79
(1,2025)	1:126:A:VAL:C	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	3	26.8	1.52	27.78
(1,2027)	1:126:H:VAL:C	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	3	26.8	1.53	27.78
(1,2028)	1:126:J:VAL:C	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	3	26.79	1.46	27.75
(1,2022)	1:126:L:VAL:C	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	3	26.77	1.47	27.69
(1,1970)	1:122:D:VAL:C	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	3	26.15	2.9	26.53
(1,1979)	1:122:B:VAL:C	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	3	26.13	2.89	26.44
(1,1977)	1:122:F:VAL:C	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	3	26.12	2.89	26.51
(1,1971)	1:122:A:VAL:C	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	3	26.11	2.86	26.46
(1,1972)	1:122:K:VAL:C	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	3	26.11	2.87	26.45
(1,1976)	1:122:H:VAL:C	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	3	26.11	2.85	26.45
(1,1974)	1:122:E:VAL:C	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	3	26.1	2.87	26.46
(1,1978)	1:122:C:VAL:C	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	3	26.1	2.86	26.45
(1,1969)	1:122:G:VAL:C	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	3	26.1	2.88	26.49
(1,1975)	1:122:J:VAL:C	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	3	26.1	2.88	26.46
(1,1980)	1:122:I:VAL:C	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	3	26.1	2.88	26.49
(1,1973)	1:122:L:VAL:C	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	3	26.08	2.89	26.43
(1,33)	1:6:H:ILE:C	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	3	24.97	2.25	26.0
(1,26)	1:6:E:ILE:C	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	3	24.96	2.24	25.98
(1,27)	1:6:J:ILE:C	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	3	24.96	2.22	25.97
(1,34)	1:6:I:ILE:C	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	3	24.96	2.22	25.97
(1,32)	1:6:G:ILE:C	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	3	24.95	2.21	25.96
(1,25)	1:6:F:ILE:C	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	3	24.95	2.23	25.95
(1,29)	1:6:K:ILE:C	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	3	24.94	2.24	25.96
(1,31)	1:6:C:ILE:C	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	3	24.94	2.24	25.98
(1,35)	1:6:B:ILE:C	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	3	24.92	2.26	25.97
(1,30)	1:6:L:ILE:C	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	3	24.92	2.23	25.92
(1,28)	1:6:D:ILE:C	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	3	24.91	2.25	25.94
(1,36)	1:6:A:ILE:C	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	3	24.9	2.23	25.88
(1,2594)	1:153:I:VAL:C	1:154:I:SER:N	1:154:I:SER:CA	1:154:I:SER:C	3	16.08	2.44	17.4
(1,2599)	1:153:D:VAL:C	1:154:D:SER:N	1:154:D:SER:CA	1:154:D:SER:C	3	16.06	2.42	17.37
(1,2604)	1:153:B:VAL:C	1:154:B:SER:N	1:154:B:SER:CA	1:154:B:SER:C	3	16.06	2.44	17.42
(1,2595)	1:153:G:VAL:C	1:154:G:SER:N	1:154:G:SER:CA	1:154:G:SER:C	3	16.05	2.45	17.39
(1,2598)	1:153:L:VAL:C	1:154:L:SER:N	1:154:L:SER:CA	1:154:L:SER:C	3	16.04	2.43	17.38
(1,2601)	1:153:E:VAL:C	1:154:E:SER:N	1:154:E:SER:CA	1:154:E:SER:C	3	16.04	2.41	17.35
(1,2597)	1:153:K:VAL:C	1:154:K:SER:N	1:154:K:SER:CA	1:154:K:SER:C	3	16.03	2.45	17.4
(1,2602)	1:153:F:VAL:C	1:154:F:SER:N	1:154:F:SER:CA	1:154:F:SER:C	3	16.03	2.42	17.39
(1,2603)	1:153:A:VAL:C	1:154:A:SER:N	1:154:A:SER:CA	1:154:A:SER:C	3	16.03	2.43	17.4
(1,2593)	1:153:H:VAL:C	1:154:H:SER:N	1:154:H:SER:CA	1:154:H:SER:C	3	16.02	2.48	17.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2596)	1:153:C:VAL:C	1:154:C:SER:N	1:154:C:SER:CA	1:154:C:SER:C	3	16.01	2.43	17.36
(1,2600)	1:153:J:VAL:C	1:154:J:SER:N	1:154:J:SER:CA	1:154:J:SER:C	3	16.01	2.43	17.36
(1,2033)	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	1:128:I:ILE:N	3	13.1	3.5	11.97
(1,2030)	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	1:128:C:ILE:N	3	13.1	3.56	11.92
(1,2038)	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	1:128:K:ILE:N	3	13.09	3.57	11.91
(1,2040)	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	1:128:J:ILE:N	3	13.09	3.54	12.01
(1,2032)	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	1:128:G:ILE:N	3	13.09	3.54	11.95
(1,2039)	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	1:128:H:ILE:N	3	13.09	3.55	11.92
(1,2037)	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	1:128:A:ILE:N	3	13.09	3.55	11.92
(1,2029)	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	1:128:F:ILE:N	3	13.08	3.56	11.93
(1,2031)	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	1:128:B:ILE:N	3	13.08	3.54	11.91
(1,2034)	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	1:128:L:ILE:N	3	13.08	3.55	11.95
(1,2035)	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	1:128:D:ILE:N	3	13.07	3.57	11.92
(1,2036)	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	1:128:E:ILE:N	3	13.06	3.55	11.92
(1,1803)	1:113:J:ILE:C	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	3	10.82	3.06	12.36
(1,1805)	1:113:K:ILE:C	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	3	10.8	3.02	12.28
(1,2577)	1:152:G:ASN:C	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	3	10.41	3.24	11.89
(1,2580)	1:152:J:ASN:C	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	3	10.41	3.23	11.83
(1,2575)	1:152:F:ASN:C	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	3	10.41	3.25	11.9
(1,2570)	1:152:A:ASN:C	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	3	10.4	3.24	11.81
(1,2569)	1:152:E:ASN:C	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	3	10.39	3.2	11.84
(1,2578)	1:152:I:ASN:C	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	3	10.39	3.24	11.88
(1,2573)	1:152:D:ASN:C	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	3	10.39	3.26	11.84
(1,2571)	1:152:K:ASN:C	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	3	10.38	3.22	11.87
(1,2572)	1:152:L:ASN:C	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	3	10.38	3.23	11.87
(1,2579)	1:152:H:ASN:C	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	3	10.38	3.24	11.88
(1,2574)	1:152:C:ASN:C	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	3	10.37	3.25	11.87
(1,2576)	1:152:B:ASN:C	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	3	10.37	3.24	11.87
(1,1831)	1:114:L:GLU:C	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	3	7.66	1.02	7.66
(1,1829)	1:114:I:GLU:C	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	3	7.65	1.03	7.66
(1,1825)	1:114:B:GLU:C	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	3	7.65	1.04	7.65
(1,1828)	1:114:F:GLU:C	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	3	7.65	1.01	7.72
(1,1834)	1:114:K:GLU:C	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	3	7.65	1.05	7.66
(1,1830)	1:114:H:GLU:C	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	3	7.64	1.03	7.68
(1,1826)	1:114:C:GLU:C	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	3	7.64	1.02	7.65
(1,1832)	1:114:J:GLU:C	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	3	7.63	1.06	7.67
(1,1836)	1:114:D:GLU:C	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	3	7.63	1.03	7.63
(1,1833)	1:114:E:GLU:C	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	3	7.63	1.05	7.67
(1,1835)	1:114:A:GLU:C	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	3	7.62	1.04	7.62
(1,1827)	1:114:G:GLU:C	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	3	7.61	1.02	7.63
(1,152)	1:12:E:LYS:C	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	3	6.64	0.85	7.08
(1,145)	1:12:C:LYS:C	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	3	6.64	0.8	7.06
(1,146)	1:12:H:LYS:C	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	3	6.63	0.86	7.09
(1,153)	1:12:J:LYS:C	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	3	6.63	0.83	7.0
(1,148)	1:12:A:LYS:C	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	3	6.62	0.85	7.07
(1,155)	1:12:D:LYS:C	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	3	6.62	0.86	7.08
(1,156)	1:12:K:LYS:C	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	3	6.62	0.84	7.04
(1,150)	1:12:F:LYS:C	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	3	6.61	0.83	7.03
(1,154)	1:12:L:LYS:C	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	3	6.61	0.85	7.05
(1,151)	1:12:I:LYS:C	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	3	6.61	0.85	7.05
(1,147)	1:12:B:LYS:C	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	3	6.61	0.85	7.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,149)	1:12:G:LYS:C	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	3	6.6	0.87	7.04
(1,1697)	1:109:L:GLY:N	1:109:L:GLY:CA	1:109:L:GLY:C	1:110:L:PHE:N	3	6.19	2.71	6.86
(1,1698)	1:109:E:GLY:N	1:109:E:GLY:CA	1:109:E:GLY:C	1:110:E:PHE:N	3	6.19	2.72	6.87
(1,1702)	1:109:F:GLY:N	1:109:F:GLY:CA	1:109:F:GLY:C	1:110:F:PHE:N	3	6.18	2.7	6.85
(1,1700)	1:109:B:GLY:N	1:109:B:GLY:CA	1:109:B:GLY:C	1:110:B:PHE:N	3	6.18	2.71	6.88
(1,1701)	1:109:C:GLY:N	1:109:C:GLY:CA	1:109:C:GLY:C	1:110:C:PHE:N	3	6.18	2.69	6.85
(1,1695)	1:109:K:GLY:N	1:109:K:GLY:CA	1:109:K:GLY:C	1:110:K:PHE:N	3	6.18	2.7	6.85
(1,1703)	1:109:I:GLY:N	1:109:I:GLY:CA	1:109:I:GLY:C	1:110:I:PHE:N	3	6.18	2.74	6.87
(1,1704)	1:109:J:GLY:N	1:109:J:GLY:CA	1:109:J:GLY:C	1:110:J:PHE:N	3	6.18	2.69	6.84
(1,1693)	1:109:H:GLY:N	1:109:H:GLY:CA	1:109:H:GLY:C	1:110:H:PHE:N	3	6.17	2.71	6.83
(1,1699)	1:109:D:GLY:N	1:109:D:GLY:CA	1:109:D:GLY:C	1:110:D:PHE:N	3	6.16	2.7	6.8
(1,1696)	1:109:A:GLY:N	1:109:A:GLY:CA	1:109:A:GLY:C	1:110:A:PHE:N	3	6.16	2.71	6.82
(1,1694)	1:109:G:GLY:N	1:109:G:GLY:CA	1:109:G:GLY:C	1:110:G:PHE:N	3	6.16	2.68	6.82
(1,1749)	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	1:112:G:TYR:N	3	5.16	0.85	5.13
(1,1748)	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	1:112:B:TYR:N	3	5.15	0.86	5.09
(1,1743)	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	1:112:D:TYR:N	3	5.13	0.83	5.07
(1,1744)	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	1:112:J:TYR:N	3	5.13	0.87	5.08
(1,1751)	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	1:112:H:TYR:N	3	5.13	0.85	5.05
(1,1750)	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	1:112:I:TYR:N	3	5.13	0.82	5.1
(1,1746)	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	1:112:F:TYR:N	3	5.13	0.82	5.07
(1,1745)	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	1:112:E:TYR:N	3	5.12	0.88	5.05
(1,1742)	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	1:112:L:TYR:N	3	5.12	0.87	5.01
(1,1741)	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	1:112:K:TYR:N	3	5.11	0.87	5.06
(1,1752)	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	1:112:C:TYR:N	3	5.11	0.87	5.04
(1,1747)	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	1:112:A:TYR:N	3	5.1	0.85	5.04
(1,1787)	1:112:D:TYR:C	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	3	4.82	1.24	4.38
(1,1788)	1:112:K:TYR:C	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	3	4.75	1.27	4.25
(1,404)	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	1:28:E:PHE:N	3	4.04	1.11	4.14
(1,398)	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	1:28:C:PHE:N	3	4.03	1.12	4.11
(1,403)	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	1:28:J:PHE:N	3	4.03	1.12	4.04
(1,408)	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	1:28:L:PHE:N	3	4.03	1.12	4.1
(1,397)	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	1:28:B:PHE:N	3	4.02	1.13	4.12
(1,399)	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	1:28:G:PHE:N	3	4.02	1.12	4.08
(1,402)	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	1:28:H:PHE:N	3	4.02	1.12	4.08
(1,405)	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	1:28:K:PHE:N	3	4.02	1.11	4.08
(1,407)	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	1:28:D:PHE:N	3	4.01	1.09	4.03
(1,401)	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	1:28:I:PHE:N	3	4.0	1.11	4.03
(1,406)	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	1:28:A:PHE:N	3	4.0	1.12	4.07
(1,400)	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	1:28:F:PHE:N	3	3.98	1.11	4.06
(1,2346)	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	1:143:C:ILE:N	3	3.88	2.39	2.69
(1,2347)	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	1:143:D:ILE:N	3	3.88	2.41	2.7
(1,2349)	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	1:143:E:ILE:N	3	3.87	2.38	2.71
(1,2344)	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	1:143:I:ILE:N	3	3.87	2.39	2.69
(1,2343)	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	1:143:G:ILE:N	3	3.85	2.39	2.67
(1,2345)	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	1:143:F:ILE:N	3	3.85	2.38	2.66
(1,2341)	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	1:143:J:ILE:N	3	3.85	2.41	2.64
(1,2351)	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	1:143:A:ILE:N	3	3.85	2.38	2.66
(1,2348)	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	1:143:K:ILE:N	3	3.85	2.39	2.66
(1,2350)	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	1:143:L:ILE:N	3	3.85	2.4	2.66
(1,2352)	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	1:143:H:ILE:N	3	3.84	2.39	2.67
(1,2342)	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	1:143:B:ILE:N	3	3.84	2.4	2.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,420)	1:27:B:LEU:C	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	3	3.78	0.93	3.84
(1,413)	1:27:K:LEU:C	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	3	3.77	0.93	3.84
(1,417)	1:27:E:LEU:C	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	3	3.77	0.97	3.8
(1,415)	1:27:D:LEU:C	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	3	3.77	0.88	3.78
(1,409)	1:27:H:LEU:C	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	3	3.76	0.96	3.82
(1,412)	1:27:I:LEU:C	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	3	3.76	0.94	3.79
(1,418)	1:27:F:LEU:C	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	3	3.76	0.91	3.79
(1,410)	1:27:G:LEU:C	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	3	3.75	0.96	3.84
(1,419)	1:27:A:LEU:C	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	3	3.75	0.94	3.87
(1,416)	1:27:J:LEU:C	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	3	3.75	0.91	3.81
(1,414)	1:27:L:LEU:C	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	3	3.75	0.96	3.82
(1,411)	1:27:C:LEU:C	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	3	3.74	0.92	3.76
(1,1005)	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	1:76:B:GLN:N	3	3.64	1.67	4.47
(1,999)	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	1:76:D:GLN:N	3	3.64	1.68	4.49
(1,1001)	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	1:76:K:GLN:N	3	3.64	1.68	4.46
(1,998)	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	1:76:A:GLN:N	3	3.64	1.69	4.47
(1,1002)	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	1:76:C:GLN:N	3	3.63	1.63	4.41
(1,1007)	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	1:76:F:GLN:N	3	3.63	1.65	4.42
(1,997)	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	1:76:G:GLN:N	3	3.62	1.69	4.48
(1,1006)	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	1:76:I:GLN:N	3	3.62	1.63	4.51
(1,1003)	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	1:76:L:GLN:N	3	3.61	1.65	4.44
(1,1008)	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	1:76:E:GLN:N	3	3.6	1.64	4.46
(1,1004)	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	1:76:H:GLN:N	3	3.6	1.65	4.45
(1,1000)	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	1:76:J:GLN:N	3	3.59	1.7	4.46
(1,1901)	1:117:C:GLU:C	1:118:C:TYR:N	1:118:C:TYR:CA	1:118:C:TYR:C	3	2.85	1.24	2.62
(1,1904)	1:117:J:GLU:C	1:118:J:TYR:N	1:118:J:TYR:CA	1:118:J:TYR:C	3	2.85	1.25	2.63
(1,1907)	1:117:E:GLU:C	1:118:E:TYR:N	1:118:E:TYR:CA	1:118:E:TYR:C	3	2.84	1.25	2.59
(1,1900)	1:117:H:GLU:C	1:118:H:TYR:N	1:118:H:TYR:CA	1:118:H:TYR:C	3	2.81	1.26	2.57
(1,1905)	1:117:D:GLU:C	1:118:D:TYR:N	1:118:D:TYR:CA	1:118:D:TYR:C	3	2.81	1.24	2.57
(1,1897)	1:117:B:GLU:C	1:118:B:TYR:N	1:118:B:TYR:CA	1:118:B:TYR:C	3	2.81	1.26	2.54
(1,1898)	1:117:G:GLU:C	1:118:G:TYR:N	1:118:G:TYR:CA	1:118:G:TYR:C	3	2.8	1.25	2.54
(1,1903)	1:117:L:GLU:C	1:118:L:TYR:N	1:118:L:TYR:CA	1:118:L:TYR:C	3	2.8	1.25	2.54
(1,1906)	1:117:A:GLU:C	1:118:A:TYR:N	1:118:A:TYR:CA	1:118:A:TYR:C	3	2.8	1.22	2.55
(1,1908)	1:117:F:GLU:C	1:118:F:TYR:N	1:118:F:TYR:CA	1:118:F:TYR:C	3	2.79	1.22	2.5
(1,1902)	1:117:K:GLU:C	1:118:K:TYR:N	1:118:K:TYR:CA	1:118:K:TYR:C	3	2.79	1.25	2.49
(1,1899)	1:117:I:GLU:C	1:118:I:TYR:N	1:118:I:TYR:CA	1:118:I:TYR:C	3	2.78	1.24	2.56
(1,266)	1:17:C:SER:C	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	3	2.66	0.39	2.9
(1,267)	1:17:F:SER:C	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	3	2.65	0.4	2.91
(1,272)	1:17:J:SER:C	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	3	2.64	0.4	2.88
(1,271)	1:17:H:SER:C	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	3	2.64	0.37	2.88
(1,275)	1:17:K:SER:C	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	3	2.64	0.38	2.89
(1,269)	1:17:G:SER:C	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	3	2.64	0.39	2.9
(1,276)	1:17:L:SER:C	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	3	2.63	0.4	2.87
(1,265)	1:17:D:SER:C	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	3	2.63	0.35	2.87
(1,274)	1:17:E:SER:C	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	3	2.62	0.4	2.87
(1,268)	1:17:B:SER:C	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	3	2.62	0.37	2.85
(1,270)	1:17:I:SER:C	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	3	2.61	0.37	2.85
(1,273)	1:17:A:SER:C	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	3	2.61	0.38	2.85
(1,2042)	1:127:A:GLU:C	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	3	2.51	1.98	1.16
(1,2052)	1:127:C:GLU:C	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	3	2.5	1.96	1.18
(1,2048)	1:127:I:GLU:C	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	3	2.5	2.0	1.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2051)	1:127:K:GLU:C	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	3	2.49	1.97	1.18
(1,2044)	1:127:F:GLU:C	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	3	2.47	1.96	1.16
(1,132)	1:11:J:VAL:C	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	3	1.55	0.04	1.55
(1,131)	1:11:F:VAL:C	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	3	1.54	0.08	1.55
(1,128)	1:11:G:VAL:C	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	3	1.54	0.09	1.54
(1,122)	1:11:K:VAL:C	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	3	1.53	0.06	1.51
(1,125)	1:11:E:VAL:C	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	3	1.52	0.07	1.5
(1,126)	1:11:I:VAL:C	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	3	1.52	0.07	1.5
(1,130)	1:11:C:VAL:C	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	3	1.51	0.07	1.52
(1,121)	1:11:H:VAL:C	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	3	1.51	0.08	1.53
(1,127)	1:11:D:VAL:C	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	3	1.51	0.07	1.51
(1,123)	1:11:A:VAL:C	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	3	1.51	0.1	1.48
(1,124)	1:11:L:VAL:C	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	3	1.5	0.12	1.49
(1,1819)	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	1:115:I:SER:N	3	1.5	0.05	1.47
(1,129)	1:11:B:VAL:C	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	3	1.5	0.11	1.47
(1,1818)	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	1:115:L:SER:N	3	1.49	0.06	1.46
(1,1820)	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	1:115:C:SER:N	3	1.48	0.09	1.44
(1,1814)	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	1:115:E:SER:N	3	1.47	0.06	1.43
(1,1817)	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	1:115:K:SER:N	3	1.46	0.06	1.45
(1,1823)	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	1:115:B:SER:N	3	1.44	0.06	1.41
(1,1816)	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	1:115:D:SER:N	3	1.43	0.06	1.4
(1,1824)	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	1:115:A:SER:N	3	1.41	0.07	1.36
(1,651)	1:51:K:GLY:C	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	2	7.3	0.44	7.3
(1,654)	1:51:L:GLY:C	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	2	7.28	0.46	7.28
(1,656)	1:51:C:GLY:C	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	2	7.28	0.48	7.28
(1,655)	1:51:B:GLY:C	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	2	7.28	0.48	7.28
(1,653)	1:51:D:GLY:C	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	2	7.28	0.48	7.28
(1,658)	1:51:F:GLY:C	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	2	7.28	0.48	7.28
(1,652)	1:51:A:GLY:C	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	2	7.26	0.48	7.26
(1,659)	1:51:I:GLY:C	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	2	7.25	0.46	7.25
(1,660)	1:51:H:GLY:C	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	2	7.25	0.46	7.25
(1,649)	1:51:J:GLY:C	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	2	7.24	0.41	7.24
(1,657)	1:51:G:GLY:C	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	2	7.24	0.44	7.24
(1,650)	1:51:E:GLY:C	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	2	7.22	0.43	7.22
(1,789)	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	1:64:I:GLU:N	2	4.4	1.6	4.4
(1,786)	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	1:64:L:GLU:N	2	4.39	1.6	4.39
(1,783)	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	1:64:J:GLU:N	2	4.39	1.59	4.39
(1,791)	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	1:64:B:GLU:N	2	4.39	1.61	4.39
(1,784)	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	1:64:D:GLU:N	2	4.37	1.6	4.37
(1,788)	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	1:64:C:GLU:N	2	4.36	1.62	4.36
(1,790)	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	1:64:H:GLU:N	2	4.36	1.61	4.36
(1,782)	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	1:64:E:GLU:N	2	4.36	1.64	4.36
(1,781)	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	1:64:F:GLU:N	2	4.34	1.58	4.34
(1,787)	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	1:64:G:GLU:N	2	4.34	1.62	4.34
(1,785)	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	1:64:K:GLU:N	2	4.34	1.62	4.34
(1,792)	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	1:64:A:GLU:N	2	4.34	1.66	4.34
(1,201)	1:14:I:LEU:C	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	2	3.98	1.48	3.98
(1,200)	1:14:G:LEU:C	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	2	3.95	1.49	3.95
(1,199)	1:14:B:LEU:C	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	2	3.94	1.47	3.94
(1,197)	1:14:H:LEU:C	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	2	3.94	1.48	3.94
(1,202)	1:14:F:LEU:C	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	2	3.94	1.45	3.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,204)	1:14:D:LEU:C	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	2	3.94	1.44	3.94
(1,203)	1:14:C:LEU:C	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	2	3.94	1.46	3.94
(1,198)	1:14:J:LEU:C	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	2	3.93	1.48	3.93
(1,195)	1:14:L:LEU:C	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	2	3.92	1.47	3.92
(1,193)	1:14:K:LEU:C	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	2	3.92	1.48	3.92
(1,196)	1:14:A:LEU:C	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	2	3.92	1.5	3.92
(1,194)	1:14:E:LEU:C	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	2	3.9	1.47	3.9
(1,1926)	1:118:D:TYR:C	1:119:D:SER:N	1:119:D:SER:CA	1:119:D:SER:C	2	3.67	1.45	3.67
(1,1929)	1:118:B:TYR:C	1:119:B:SER:N	1:119:B:SER:CA	1:119:B:SER:C	2	3.67	1.48	3.67
(1,1923)	1:118:A:TYR:C	1:119:A:SER:N	1:119:A:SER:CA	1:119:A:SER:C	2	3.66	1.46	3.66
(1,1925)	1:118:E:TYR:C	1:119:E:SER:N	1:119:E:SER:CA	1:119:E:SER:C	2	3.66	1.5	3.66
(1,1932)	1:118:J:TYR:C	1:119:J:SER:N	1:119:J:SER:CA	1:119:J:SER:C	2	3.64	1.52	3.64
(1,1927)	1:118:I:TYR:C	1:119:I:SER:N	1:119:I:SER:CA	1:119:I:SER:C	2	3.64	1.44	3.64
(1,1924)	1:118:L:TYR:C	1:119:L:SER:N	1:119:L:SER:CA	1:119:L:SER:C	2	3.63	1.46	3.63
(1,1922)	1:118:K:TYR:C	1:119:K:SER:N	1:119:K:SER:CA	1:119:K:SER:C	2	3.62	1.47	3.62
(1,1931)	1:118:F:TYR:C	1:119:F:SER:N	1:119:F:SER:CA	1:119:F:SER:C	2	3.62	1.46	3.62
(1,1930)	1:118:C:TYR:C	1:119:C:SER:N	1:119:C:SER:CA	1:119:C:SER:C	2	3.62	1.46	3.62
(1,1928)	1:118:G:TYR:C	1:119:G:SER:N	1:119:G:SER:CA	1:119:G:SER:C	2	3.6	1.44	3.6
(1,1921)	1:118:H:TYR:C	1:119:H:SER:N	1:119:H:SER:CA	1:119:H:SER:C	2	3.58	1.47	3.58
(1,2046)	1:127:B:GLU:C	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	2	3.26	2.03	3.26
(1,2047)	1:127:G:GLU:C	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	2	3.26	2.08	3.26
(1,2045)	1:127:E:GLU:C	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	2	3.26	2.06	3.26
(1,2043)	1:127:L:GLU:C	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	2	3.24	2.09	3.24
(1,2049)	1:127:J:GLU:C	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	2	3.24	2.1	3.24
(1,2041)	1:127:H:GLU:C	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	2	3.2	2.04	3.2
(1,2050)	1:127:D:GLU:C	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	2	3.2	2.04	3.2
(1,1611)	1:105:J:ASP:C	1:106:J:ALA:N	1:106:J:ALA:CA	1:106:J:ALA:C	2	2.86	1.55	2.86
(1,1612)	1:105:A:ASP:C	1:106:A:ALA:N	1:106:A:ALA:CA	1:106:A:ALA:C	2	2.83	1.55	2.83
(1,1609)	1:105:C:ASP:C	1:106:C:ALA:N	1:106:C:ALA:CA	1:106:C:ALA:C	2	2.82	1.56	2.82
(1,1618)	1:105:L:ASP:C	1:106:L:ALA:N	1:106:L:ALA:CA	1:106:L:ALA:C	2	2.82	1.56	2.82
(1,1610)	1:105:D:ASP:C	1:106:D:ALA:N	1:106:D:ALA:CA	1:106:D:ALA:C	2	2.8	1.56	2.8
(1,1619)	1:105:H:ASP:C	1:106:H:ALA:N	1:106:H:ALA:CA	1:106:H:ALA:C	2	2.8	1.54	2.8
(1,1614)	1:105:E:ASP:C	1:106:E:ALA:N	1:106:E:ALA:CA	1:106:E:ALA:C	2	2.8	1.58	2.8
(1,1616)	1:105:F:ASP:C	1:106:F:ALA:N	1:106:F:ALA:CA	1:106:F:ALA:C	2	2.79	1.54	2.79
(1,1617)	1:105:I:ASP:C	1:106:I:ALA:N	1:106:I:ALA:CA	1:106:I:ALA:C	2	2.79	1.6	2.79
(1,1620)	1:105:K:ASP:C	1:106:K:ALA:N	1:106:K:ALA:CA	1:106:K:ALA:C	2	2.78	1.58	2.78
(1,1613)	1:105:B:ASP:C	1:106:B:ALA:N	1:106:B:ALA:CA	1:106:B:ALA:C	2	2.78	1.5	2.78
(1,1615)	1:105:G:ASP:C	1:106:G:ALA:N	1:106:G:ALA:CA	1:106:G:ALA:C	2	2.77	1.56	2.77
(1,1954)	1:121:G:GLY:C	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	2	2.66	0.52	2.66
(1,1955)	1:121:F:GLY:C	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	2	2.66	0.53	2.66
(1,2089)	1:129:A:SER:C	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	2	2.66	0.17	2.66
(1,1946)	1:121:D:GLY:C	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	2	2.66	0.55	2.66
(1,1952)	1:121:B:GLY:C	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	2	2.66	0.49	2.66
(1,2100)	1:129:H:SER:C	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	2	2.66	0.16	2.66
(1,1953)	1:121:I:GLY:C	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	2	2.65	0.57	2.65
(1,1950)	1:121:L:GLY:C	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	2	2.64	0.5	2.64
(1,2099)	1:129:J:SER:C	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	2	2.64	0.12	2.64
(1,2092)	1:129:L:SER:C	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	2	2.64	0.14	2.64
(1,2095)	1:129:C:SER:C	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	2	2.64	0.18	2.64
(1,2091)	1:129:K:SER:C	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	2	2.64	0.14	2.64
(1,1949)	1:121:C:GLY:C	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	2	2.63	0.55	2.63

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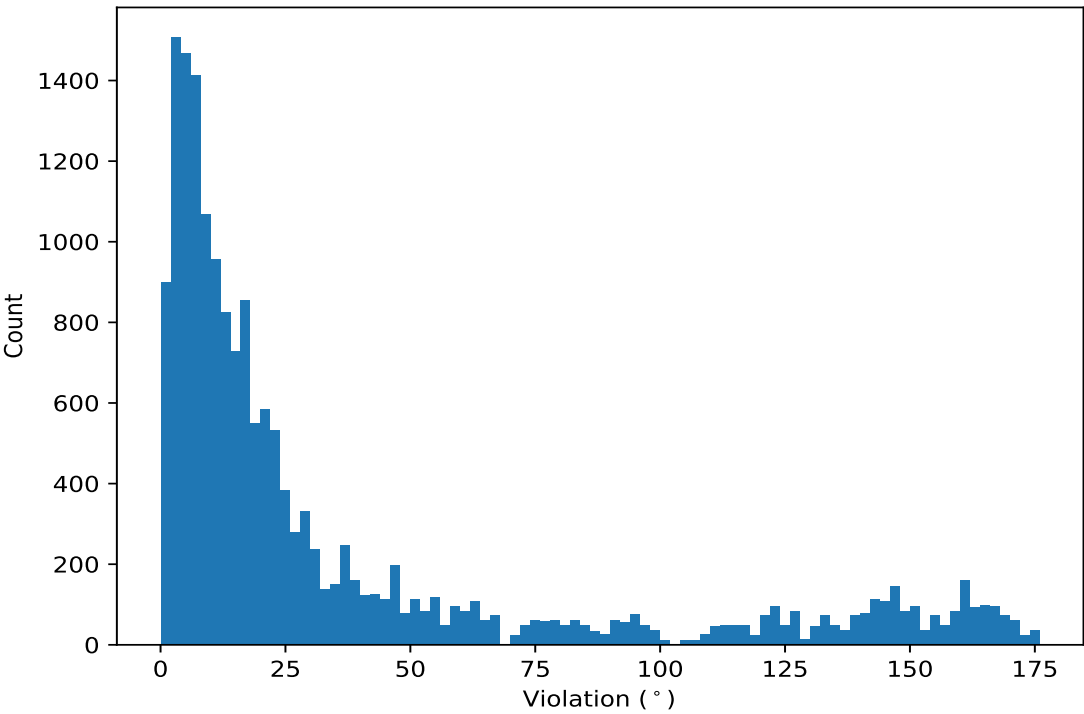
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2090)	1:129:E:SER:C	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	2	2.63	0.17	2.63
(1,2093)	1:129:I:SER:C	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	2	2.63	0.17	2.63
(1,2097)	1:129:G:SER:C	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	2	2.63	0.19	2.63
(1,2094)	1:129:D:SER:C	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	2	2.62	0.15	2.62
(1,1948)	1:121:K:GLY:C	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	2	2.62	0.51	2.62
(1,2096)	1:129:F:SER:C	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	2	2.62	0.15	2.62
(1,2098)	1:129:B:SER:C	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	2	2.62	0.12	2.62
(1,1951)	1:121:H:GLY:C	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	2	2.61	0.53	2.61
(1,1956)	1:121:E:GLY:C	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	2	2.6	0.6	2.6
(1,1945)	1:121:A:GLY:C	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	2	2.6	0.55	2.6
(1,1947)	1:121:J:GLY:C	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	2	2.58	0.52	2.58
(1,2834)	1:172:D:GLY:C	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	2	1.51	0.13	1.51
(1,2841)	1:172:B:GLY:C	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	2	1.5	0.11	1.5
(1,2844)	1:172:E:GLY:C	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	2	1.5	0.06	1.5
(1,2833)	1:172:A:GLY:C	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	2	1.49	0.1	1.49
(1,2840)	1:172:H:GLY:C	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	2	1.48	0.12	1.48
(1,2835)	1:172:G:GLY:C	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	2	1.48	0.09	1.48
(1,2836)	1:172:J:GLY:C	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	2	1.48	0.11	1.48
(1,2843)	1:172:I:GLY:C	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	2	1.48	0.06	1.48
(1,2842)	1:172:F:GLY:C	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	2	1.48	0.09	1.48
(1,2839)	1:172:L:GLY:C	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	2	1.46	0.09	1.46
(1,2838)	1:172:C:GLY:C	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	2	1.46	0.06	1.46
(1,2837)	1:172:K:GLY:C	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	2	1.45	0.1	1.45

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

9.5 All violated dihedral-angle restraints ⓘ

9.5.1 Histogram : Distribution of violations ⓘ

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 violated dihedral-angle restraints ⓘ

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 (°)
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	5	174.89
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	5	174.89
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	5	174.89
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	5	174.86
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	5	174.86
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	5	174.85
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	9	174.85
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	5	174.84
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	5	174.84
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	5	174.84
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	9	174.83
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	5	174.82
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	9	174.82
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	9	174.81
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	5	174.81
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	9	174.81
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	9	174.8
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	9	174.79
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	5	174.76
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	9	174.76
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	9	174.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	9	174.74
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	9	174.73
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	9	174.71
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	6	174.63
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	6	174.62
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	6	174.61
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	6	174.6
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	6	174.59
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	6	174.59
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	6	174.59
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	6	174.58
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	6	174.57
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	6	174.56
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	6	174.56
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	6	174.55
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	8	173.82
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	8	173.8
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	8	173.8
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	8	173.78
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	8	173.78
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	8	173.78
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	8	173.78
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	8	173.78
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	8	173.78
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	8	173.78
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	8	173.76
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	8	173.74
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	2	172.73
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	2	172.72
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	2	172.71
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	2	172.68
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	2	172.68
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	2	172.68
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	2	172.68
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	2	172.67
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	2	172.66
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	2	172.66
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	2	172.65
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	2	172.64
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	5	171.63
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	5	171.62
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	5	171.61
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	5	171.61
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	5	171.6
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	5	171.6
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	5	171.6
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	5	171.59
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	5	171.57
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	5	171.56
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	5	171.56
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	5	171.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1	170.77
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1	170.76
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1	170.76
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1	170.76
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1	170.74
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1	170.74
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1	170.73
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1	170.73
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1	170.71
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1	170.71
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1	170.7
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1	170.66
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	2	170.51
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	2	170.46
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	2	170.46
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	2	170.45
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	2	170.45
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	2	170.44
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	2	170.43
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	2	170.42
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	2	170.42
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	2	170.4
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	2	170.39
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	2	170.37
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	9	170.31
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	9	170.31
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	9	170.3
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	9	170.29
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	9	170.28
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	9	170.28
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	9	170.27
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1	170.25
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	9	170.25
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	9	170.25
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	9	170.25
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	9	170.25
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1	170.24
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1	170.24
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1	170.24
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1	170.23
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	9	170.22
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1	170.2
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1	170.19
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1	170.19
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1	170.18
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1	170.17
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1	170.17
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1	170.16
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	3	169.38
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	3	169.38
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	3	169.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	3	169.35
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	3	169.35
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	3	169.34
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	3	169.34
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	3	169.31
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	3	169.31
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	3	169.29
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	3	169.29
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	3	169.26
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	7	168.98
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	7	168.95
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	7	168.94
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	7	168.94
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	7	168.93
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	7	168.93
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	7	168.92
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	7	168.91
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	7	168.91
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	7	168.89
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	7	168.89
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	7	168.87
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	7	168.8
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	7	168.78
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	7	168.78
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	7	168.78
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	7	168.77
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	7	168.77
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	7	168.75
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	7	168.74
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	7	168.72
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	7	168.71
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	7	168.71
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	7	168.69
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	4	168.47
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	4	168.45
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	4	168.44
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	4	168.44
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	4	168.43
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	4	168.43
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	4	168.43
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	4	168.43
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	4	168.41
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	4	168.41
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	4	168.4
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	4	168.38
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	4	168.37
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	4	168.37
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	4	168.37
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	4	168.37
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	4	168.36
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	4	168.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	4	168.35
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	4	168.35
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	4	168.34
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	4	168.34
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	4	168.3
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	4	168.29
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	3	168.25
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	3	168.25
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	3	168.24
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	3	168.24
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	3	168.23
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	3	168.23
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	3	168.23
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	3	168.22
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	3	168.21
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	3	168.21
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	3	168.2
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	3	168.17
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	3	167.97
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	3	167.95
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	3	167.91
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	3	167.89
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	3	167.88
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	3	167.88
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	3	167.87
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	3	167.86
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	3	167.86
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	3	167.84
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	3	167.83
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	3	167.8
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	10	167.73
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	10	167.72
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	10	167.72
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	10	167.72
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	10	167.72
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	10	167.71
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	10	167.71
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	10	167.7
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	10	167.7
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	10	167.7
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	10	167.69
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	10	167.68
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	10	167.63
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	10	167.61
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	10	167.6
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	10	167.59
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	10	167.58
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	10	167.58
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	10	167.56
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	10	167.55
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	10	167.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	10	167.55
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	10	167.54
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	10	167.54
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	7	167.36
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	7	167.35
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	7	167.32
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	7	167.3
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	7	167.3
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	7	167.3
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	7	167.3
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	7	167.28
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	7	167.28
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	7	167.27
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	7	167.26
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	7	167.24
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	8	167.09
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	8	167.07
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	8	167.07
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	8	167.07
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	8	167.07
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	8	167.05
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	8	167.03
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	8	167.03
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	8	167.02
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	8	167.01
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	8	167.0
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	8	166.96
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	9	166.41
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	9	166.37
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	9	166.36
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	9	166.36
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	9	166.36
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	9	166.36
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	9	166.36
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	9	166.34
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	10	166.34
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	9	166.33
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	9	166.32
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	10	166.31
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	9	166.3
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	10	166.3
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	10	166.3
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	9	166.28
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	10	166.27
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	10	166.27
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	10	166.27
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	10	166.26
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	10	166.24
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	10	166.24
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	5	166.23
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	5	166.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	10	166.21
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	10	166.21
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	5	166.19
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	5	166.15
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	5	166.15
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	5	166.13
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	5	166.13
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	5	166.13
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	5	166.12
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	5	166.11
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	5	166.11
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	5	166.1
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	2	165.63
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	2	165.62
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	2	165.6
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	2	165.6
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	2	165.59
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	2	165.59
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	2	165.58
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	2	165.57
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	2	165.54
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	2	165.53
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	2	165.49
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	2	165.47
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	6	165.34
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	6	165.34
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	6	165.32
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	6	165.32
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	6	165.32
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	6	165.32
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	6	165.31
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	6	165.31
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	6	165.31
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	6	165.3
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	6	165.29
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	6	165.28
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	10	165.21
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	10	165.18
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	10	165.17
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	10	165.16
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	10	165.16
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	10	165.16
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	10	165.16
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	10	165.15
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	10	165.15
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	10	165.15
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	10	165.15
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	4	165.13
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	4	165.12
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	4	165.11
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	4	165.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	10	165.11
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	4	165.07
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	4	165.06
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	4	165.06
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	4	165.06
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	4	165.05
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	4	165.03
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	4	165.02
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	4	164.97
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1	164.95
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1	164.92
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1	164.91
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1	164.9
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1	164.89
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1	164.87
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1	164.86
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1	164.86
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1	164.85
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1	164.82
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1	164.81
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1	164.8
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	6	164.75
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	2	164.73
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	2	164.73
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	6	164.73
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	6	164.71
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	2	164.7
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	2	164.7
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	2	164.7
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	2	164.69
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	6	164.69
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	2	164.68
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	6	164.68
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	6	164.68
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	2	164.67
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	2	164.67
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	6	164.67
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	2	164.66
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	6	164.66
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	2	164.65
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	6	164.65
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	6	164.65
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	6	164.65
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	6	164.62
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	2	164.58
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	7	164.15
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	7	164.15
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	7	164.15
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	7	164.15
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	7	164.13
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	7	164.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	7	164.12
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	7	164.1
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	7	164.1
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	7	164.08
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	7	164.07
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	7	164.05
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	6	164.01
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	6	163.94
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	6	163.92
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	6	163.92
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	6	163.91
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	6	163.91
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	6	163.9
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	6	163.88
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	6	163.88
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	6	163.87
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	6	163.86
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	8	163.86
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	8	163.86
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	7	163.84
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	8	163.84
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	6	163.83
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	8	163.83
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	8	163.83
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	8	163.83
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	7	163.82
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	8	163.82
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	8	163.82
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	8	163.82
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	8	163.82
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	7	163.81
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	8	163.81
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	8	163.81
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	8	163.81
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	7	163.8
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	7	163.8
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	7	163.8
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	8	163.8
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	8	163.8
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	7	163.79
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	7	163.78
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	7	163.78
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	7	163.77
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	7	163.77
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	8	163.77
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	8	163.77
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	8	163.75
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	7	163.73
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	8	163.73
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	8	163.72
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	8	163.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	8	163.71
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	8	163.7
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	8	163.65
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	10	163.39
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	10	163.38
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	10	163.37
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	10	163.37
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	10	163.36
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	10	163.36
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	10	163.36
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	10	163.34
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	10	163.34
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	10	163.33
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	10	163.33
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	10	163.32
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	4	162.92
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	4	162.92
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	4	162.92
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	4	162.91
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	4	162.91
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	4	162.9
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	4	162.9
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	4	162.89
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	4	162.89
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	4	162.88
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	4	162.85
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	4	162.84
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	1	162.47
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	1	162.47
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	1	162.46
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	1	162.45
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	1	162.45
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	1	162.45
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	1	162.44
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	1	162.43
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	1	162.42
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	1	162.42
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	1	162.42
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	1	162.41
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	8	162.09
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	8	162.08
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	8	162.04
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	8	162.04
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1	162.02
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	8	162.01
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1	162.0
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	8	162.0
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	8	162.0
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1	161.99
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	8	161.99
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	4	161.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1	161.98
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	8	161.98
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1	161.97
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	8	161.97
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	8	161.97
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	8	161.97
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1	161.95
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	4	161.95
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	4	161.95
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1	161.94
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1	161.94
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1	161.94
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	4	161.94
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1	161.93
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	4	161.93
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	4	161.93
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	3	161.92
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1	161.91
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	3	161.91
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	4	161.91
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1	161.9
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	4	161.89
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	4	161.88
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	3	161.87
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	4	161.87
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	3	161.87
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	3	161.87
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	3	161.87
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	4	161.87
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	3	161.86
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	4	161.85
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	3	161.85
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	3	161.84
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	3	161.82
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	3	161.81
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	3	161.77
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	7	161.51
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	7	161.47
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	7	161.47
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	7	161.47
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	7	161.46
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	7	161.44
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	7	161.43
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	7	161.43
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	7	161.43
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	3	161.43
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	3	161.42
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	7	161.4
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	7	161.4
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	3	161.4
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	7	161.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	3	161.38
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	3	161.38
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	3	161.36
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	3	161.36
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	3	161.35
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	3	161.35
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	3	161.34
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	3	161.34
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	3	161.32
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	2	161.15
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	2	161.15
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	2	161.14
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	2	161.14
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	2	161.13
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	2	161.13
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	2	161.12
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	2	161.12
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	2	161.11
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	2	161.1
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	2	161.09
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	2	161.06
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	6	160.85
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	6	160.82
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	6	160.81
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	6	160.8
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	6	160.8
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	6	160.79
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	9	160.78
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	6	160.76
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	9	160.76
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	6	160.75
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	6	160.75
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	9	160.75
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	6	160.74
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	6	160.74
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	6	160.73
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	9	160.73
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	9	160.73
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	9	160.72
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	9	160.71
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	9	160.71
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	9	160.71
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	5	160.7
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	5	160.7
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	5	160.7
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	9	160.7
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	9	160.7
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	5	160.69
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	5	160.69
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	5	160.69
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	9	160.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	9	160.69
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	5	160.68
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	9	160.68
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	5	160.67
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	5	160.67
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	9	160.67
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	9	160.67
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	5	160.66
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	9	160.66
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	9	160.66
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	5	160.65
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	9	160.65
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	5	160.63
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	9	160.63
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	9	160.63
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	9	160.63
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	9	160.62
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	9	160.6
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	5	160.36
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	5	160.34
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	5	160.33
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	5	160.33
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	5	160.31
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	5	160.28
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	5	160.28
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	5	160.28
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	5	160.28
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	5	160.25
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	5	160.24
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	5	160.24
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	3	160.15
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	3	160.15
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	3	160.15
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	3	160.14
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	4	160.13
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	3	160.13
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	4	160.13
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	4	160.12
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	3	160.12
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	3	160.11
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	3	160.11
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	3	160.1
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	4	160.09
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	3	160.09
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	4	160.08
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	4	160.08
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	4	160.08
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	4	160.08
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	3	160.08
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	4	160.08
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	4	160.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	3	160.07
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	4	160.07
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	4	160.04
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	9	159.9
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	9	159.87
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	7	159.86
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	9	159.85
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	9	159.85
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	7	159.83
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	7	159.83
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	5	159.83
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	5	159.83
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	9	159.82
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	7	159.82
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	5	159.82
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	9	159.81
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	9	159.81
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	7	159.81
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	7	159.81
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	9	159.8
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	7	159.8
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	7	159.8
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	5	159.8
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	9	159.79
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	9	159.79
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	7	159.79
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	5	159.79
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	5	159.79
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	5	159.79
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	9	159.78
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	9	159.78
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	7	159.78
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	5	159.78
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	5	159.78
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	5	159.78
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	5	159.78
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	7	159.77
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	5	159.77
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	9	159.76
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	9	159.76
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	9	159.75
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	9	159.72
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	7	159.72
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	9	159.7
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	9	159.7
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	9	159.68
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	9	159.68
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	9	159.67
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	9	159.66
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	9	159.66
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	9	159.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	3	159.52
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	3	159.51
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	3	159.48
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	3	159.45
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	3	159.44
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	3	159.44
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	3	159.43
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	3	159.43
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	3	159.42
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	1	159.42
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	3	159.41
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	1	159.4
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	1	159.4
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	3	159.38
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	1	159.38
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	1	159.38
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	1	159.38
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	1	159.38
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	3	159.37
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	1	159.36
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	1	159.36
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	1	159.35
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	1	159.34
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	1	159.34
(1,2406)	1:145:D:THR:C	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	4	158.92
(1,2405)	1:145:L:THR:C	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	4	158.9
(1,2407)	1:145:I:THR:C	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	4	158.84
(1,2412)	1:145:B:THR:C	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	4	158.83
(1,2401)	1:145:H:THR:C	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	4	158.83
(1,2403)	1:145:C:THR:C	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	4	158.82
(1,2402)	1:145:G:THR:C	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	4	158.82
(1,2409)	1:145:E:THR:C	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	4	158.81
(1,2404)	1:145:K:THR:C	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	4	158.81
(1,2411)	1:145:A:THR:C	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	4	158.79
(1,2410)	1:145:F:THR:C	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	4	158.78
(1,2408)	1:145:J:THR:C	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	4	158.77
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	2	157.84
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	2	157.83
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	2	157.83
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	2	157.82
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	2	157.81
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	2	157.79
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	2	157.79
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	2	157.79
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	2	157.78
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	2	157.78
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	2	157.78
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	2	157.78
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	3	157.63
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	3	157.62
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	3	157.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	3	157.58
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	3	157.57
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	3	157.57
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	3	157.57
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	3	157.55
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	3	157.55
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	3	157.54
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	3	157.53
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	3	157.52
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	2	156.87
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	2	156.86
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	2	156.86
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	2	156.85
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	2	156.85
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	2	156.84
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	2	156.83
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	2	156.82
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	2	156.82
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	2	156.81
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	2	156.79
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	2	156.79
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	5	156.38
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	5	156.36
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	5	156.36
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	5	156.35
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	5	156.34
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	5	156.34
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	5	156.33
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	5	156.32
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	5	156.32
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	5	156.31
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	5	156.31
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	5	156.29
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	1	155.89
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	1	155.87
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	1	155.87
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	1	155.86
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	1	155.86
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	1	155.85
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	1	155.85
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	1	155.85
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	1	155.84
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	1	155.84
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	1	155.83
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	1	155.83
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	1	155.6
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	1	155.59
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	1	155.54
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	1	155.54
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	1	155.53
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	1	155.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	1	155.53
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	1	155.53
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	1	155.52
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	1	155.5
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	1	155.5
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	1	155.49
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	6	155.05
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	6	155.04
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	6	155.04
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	6	155.04
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	6	155.02
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	6	155.01
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	6	155.0
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	6	154.99
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	2	154.99
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	6	154.98
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	2	154.98
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	6	154.97
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	6	154.97
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	2	154.96
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	2	154.96
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	6	154.95
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	2	154.95
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	2	154.95
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	2	154.95
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	2	154.94
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	2	154.93
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	2	154.92
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	2	154.9
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	2	154.9
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	8	154.58
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	8	154.56
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	8	154.56
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	8	154.54
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	8	154.52
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	8	154.51
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	8	154.5
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	8	154.5
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	8	154.48
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	8	154.46
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	8	154.43
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	8	154.43
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	10	154.31
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	10	154.3
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	10	154.3
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	10	154.29
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	10	154.28
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	10	154.27
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	10	154.27
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	10	154.27
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	10	154.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	10	154.25
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	10	154.23
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	10	154.21
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	9	153.97
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	9	153.96
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	9	153.96
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	9	153.95
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	9	153.94
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	9	153.94
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	9	153.94
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	9	153.93
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	9	153.93
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	9	153.91
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	9	153.9
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	9	153.89
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	5	153.34
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	5	153.33
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	5	153.28
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	5	153.27
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	5	153.27
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	5	153.27
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	5	153.27
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	5	153.25
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	5	153.25
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	5	153.22
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	5	153.21
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	5	153.19
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	6	152.53
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	6	152.53
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	6	152.52
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	6	152.52
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	6	152.5
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	6	152.49
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	6	152.49
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	6	152.48
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	6	152.47
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	6	152.47
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	6	152.47
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	6	152.42
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	8	151.82
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	8	151.82
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	8	151.8
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	8	151.79
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	4	151.78
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	8	151.77
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	4	151.77
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	8	151.76
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	8	151.76
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	4	151.76
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	8	151.75
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	8	151.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	4	151.75
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	4	151.74
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	4	151.74
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	4	151.73
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	8	151.72
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	4	151.71
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	4	151.7
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	4	151.7
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	8	151.69
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	4	151.69
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	4	151.69
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	8	151.68
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	8	151.1
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	8	151.09
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	8	151.08
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	8	151.08
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	8	151.07
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	8	151.07
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	8	151.06
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	8	151.04
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	8	151.02
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	8	151.02
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	3	151.01
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	8	151.0
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	3	150.99
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	8	150.99
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	3	150.97
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	3	150.97
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	3	150.95
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	3	150.95
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	3	150.95
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	3	150.94
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	3	150.94
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	3	150.91
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	3	150.89
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	3	150.88
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	8	150.79
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	8	150.78
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	8	150.76
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	8	150.76
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	8	150.76
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	8	150.75
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	8	150.72
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	8	150.71
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	8	150.71
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	8	150.69
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	8	150.68
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	8	150.64
(1,2546)	1:151:A:VAL:C	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	7	150.24
(1,2548)	1:151:L:VAL:C	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	7	150.23
(1,2550)	1:151:J:VAL:C	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	7	150.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2556)	1:151:I:VAL:C	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	7	150.21
(1,2555)	1:151:B:VAL:C	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	7	150.18
(1,2549)	1:151:E:VAL:C	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	7	150.18
(1,2551)	1:151:H:VAL:C	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	7	150.17
(1,2545)	1:151:D:VAL:C	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	7	150.17
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	9	150.15
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	9	150.14
(1,2552)	1:151:F:VAL:C	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	7	150.14
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	9	150.13
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	10	150.13
(1,2554)	1:151:C:VAL:C	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	7	150.13
(1,2553)	1:151:G:VAL:C	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	7	150.13
(1,2547)	1:151:K:VAL:C	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	7	150.13
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	10	150.12
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	10	150.11
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	10	150.11
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	10	150.11
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	9	150.11
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	9	150.1
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	10	150.1
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	9	150.1
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	10	150.1
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	9	150.1
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	10	150.1
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	9	150.09
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	9	150.09
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	10	150.09
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	10	150.09
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	10	150.07
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	10	150.06
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	9	150.06
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	9	150.03
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	9	150.02
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	7	149.89
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	7	149.86
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	7	149.83
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	7	149.83
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	7	149.83
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	7	149.82
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	7	149.8
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	7	149.8
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	7	149.79
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	7	149.79
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	7	149.77
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	7	149.77
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	10	149.55
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	10	149.54
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	10	149.54
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	10	149.52
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	4	149.49
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	10	149.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	10	149.49
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	10	149.49
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	10	149.48
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	10	149.48
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	10	149.46
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	10	149.46
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	4	149.44
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	10	149.44
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	10	149.43
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	10	149.43
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	4	149.42
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	4	149.42
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	10	149.42
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	10	149.42
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	4	149.41
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	10	149.41
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	10	149.41
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	10	149.4
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	10	149.39
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	10	149.39
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	10	149.38
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	4	149.37
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	10	149.37
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	4	149.36
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	4	149.36
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	4	149.36
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	4	149.36
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	4	149.34
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	4	149.34
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	10	149.34
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	6	148.94
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	6	148.94
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	6	148.93
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	6	148.92
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	6	148.92
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	6	148.91
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	6	148.9
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	6	148.9
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	6	148.88
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	6	148.88
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	6	148.87
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	6	148.85
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	8	148.71
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	8	148.7
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	8	148.69
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	8	148.68
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	8	148.67
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	8	148.66
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	8	148.66
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	8	148.65
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	8	148.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	8	148.65
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	8	148.63
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	8	148.62
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	8	148.46
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	8	148.45
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	8	148.45
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	8	148.43
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	8	148.42
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	8	148.41
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	8	148.41
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	8	148.4
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	8	148.4
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	8	148.39
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	8	148.37
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	8	148.36
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	10	147.76
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	10	147.72
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	10	147.72
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	10	147.71
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	10	147.69
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	10	147.69
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	10	147.69
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	10	147.68
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	10	147.68
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	10	147.68
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	10	147.68
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	10	147.67
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	10	147.67
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	10	147.67
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	10	147.67
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	10	147.67
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	10	147.66
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	10	147.65
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	10	147.64
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	10	147.64
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	10	147.64
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	10	147.64
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	10	147.62
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	10	147.6
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	3	147.35
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	3	147.35
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	3	147.33
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	3	147.32
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	3	147.3
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	7	147.29
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	3	147.29
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	3	147.29
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	3	147.29
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	3	147.29
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	7	147.28
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	3	147.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	3	147.27
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	3	147.26
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	7	147.23
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	7	147.23
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	7	147.22
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	7	147.22
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	7	147.21
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	7	147.2
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	7	147.19
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	7	147.19
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	5	147.17
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	6	147.17
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	7	147.16
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	6	147.16
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	6	147.16
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	6	147.15
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	7	147.14
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	5	147.14
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	5	147.14
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	8	147.13
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	6	147.13
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	5	147.11
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	5	147.11
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	8	147.11
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	5	147.1
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	8	147.1
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	6	147.1
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	6	147.1
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	5	147.09
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	5	147.09
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	8	147.09
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	8	147.09
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	8	147.09
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	8	147.09
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	8	147.08
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	8	147.08
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	6	147.08
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	8	147.07
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	6	147.07
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	8	147.06
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	5	147.05
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	5	147.05
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	8	147.05
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	6	147.05
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	6	147.05
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	5	147.04
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	6	147.03
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	10	147.02
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	5	147.01
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	10	147.01
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	10	147.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	10	146.99
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	10	146.99
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	10	146.98
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	10	146.98
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	10	146.97
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	10	146.97
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	10	146.96
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	10	146.95
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	10	146.9
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	5	146.69
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	5	146.67
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	5	146.67
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	5	146.67
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	5	146.67
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	5	146.66
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	5	146.65
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	5	146.63
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	5	146.63
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	5	146.62
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	5	146.6
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	5	146.58
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	3	146.56
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	3	146.49
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	3	146.49
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	3	146.49
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	3	146.48
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	3	146.46
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	3	146.45
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	3	146.45
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	3	146.45
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	3	146.44
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	3	146.43
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	3	146.43
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	4	146.29
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	4	146.28
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	4	146.25
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	4	146.24
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	4	146.23
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	4	146.22
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	4	146.22
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	4	146.22
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	4	146.22
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	4	146.22
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	4	146.21
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	7	146.19
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	7	146.17
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	7	146.16
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	4	146.15
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	7	146.15
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	7	146.15
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	7	146.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	7	146.13
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	7	146.12
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	7	146.12
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	7	146.12
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	7	146.11
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	7	146.08
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	6	145.67
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	6	145.63
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	10	145.62
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	6	145.62
(1,2740)	1:165:K:GLN:C	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	10	145.62
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	10	145.61
(1,2741)	1:165:G:GLN:C	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	10	145.61
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	10	145.61
(1,2746)	1:165:F:GLN:C	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	6	145.6
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	6	145.6
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	6	145.6
(1,2742)	1:165:D:GLN:C	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	10	145.6
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	6	145.59
(1,2748)	1:165:B:GLN:C	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	10	145.59
(1,2743)	1:165:L:GLN:C	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	10	145.58
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	6	145.58
(1,2738)	1:165:C:GLN:C	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	10	145.58
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	6	145.58
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	6	145.58
(1,2739)	1:165:I:GLN:C	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	6	145.57
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	6	145.57
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	6	145.57
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	6	145.57
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	6	145.56
(1,2747)	1:165:A:GLN:C	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	10	145.54
(1,2744)	1:165:J:GLN:C	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	10	145.54
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	10	145.54
(1,2745)	1:165:E:GLN:C	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	6	145.53
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	6	145.53
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	6	145.53
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	6	145.53
(1,2737)	1:165:H:GLN:C	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	6	145.52
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	6	145.52
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	6	145.52
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	6	145.52
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	6	145.5
(1,1991)	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	1:124:B:GLY:N	6	145.02
(1,1988)	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	1:124:H:GLY:N	6	145.02
(1,1990)	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	1:124:C:GLY:N	6	145.01
(1,1983)	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	1:124:A:GLY:N	6	145.0
(1,1982)	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	1:124:D:GLY:N	6	144.99
(1,1987)	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	1:124:J:GLY:N	6	144.98
(1,1986)	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	1:124:E:GLY:N	6	144.98
(1,1985)	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	1:124:L:GLY:N	6	144.97
(1,1981)	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	1:124:G:GLY:N	6	144.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1989)	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	1:124:F:GLY:N	6	144.95
(1,1984)	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	1:124:K:GLY:N	6	144.94
(1,1992)	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	1:124:I:GLY:N	6	144.93
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	7	144.8
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	7	144.8
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	7	144.78
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	7	144.75
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	7	144.75
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	7	144.74
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	7	144.74
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	7	144.74
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	7	144.74
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	7	144.73
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	7	144.72
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	7	144.67
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	2	144.66
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	4	144.64
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	4	144.64
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	4	144.64
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	4	144.63
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	4	144.61
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	4	144.6
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	4	144.6
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	4	144.6
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	2	144.6
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	2	144.6
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	2	144.6
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	4	144.59
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	4	144.59
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	2	144.59
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	2	144.58
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	4	144.57
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	2	144.57
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	2	144.57
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	2	144.56
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	4	144.54
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	2	144.54
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	2	144.52
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	2	144.5
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	2	144.17
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	2	144.16
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	2	144.16
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	2	144.16
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	2	144.14
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	2	144.14
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	2	144.13
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	2	144.13
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1	144.13
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	2	144.12
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	2	144.12
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1	144.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1	144.11
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	2	144.09
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1	144.09
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1	144.09
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1	144.09
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	2	144.08
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1	144.06
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1	144.06
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1	144.06
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1	144.04
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1	144.04
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1	144.02
(1,615)	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1:47:G:GLN:N	6	143.96
(1,620)	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1:47:K:GLN:N	6	143.92
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	4	143.9
(1,624)	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1:47:H:GLN:N	6	143.9
(1,622)	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1:47:L:GLN:N	6	143.9
(1,614)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLN:N	6	143.9
(1,621)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLN:N	6	143.89
(1,619)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLN:N	6	143.89
(1,617)	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1:47:F:GLN:N	6	143.89
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	4	143.88
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	4	143.88
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	4	143.87
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	4	143.87
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	4	143.87
(1,623)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLN:N	6	143.87
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	4	143.86
(1,616)	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1:47:I:GLN:N	6	143.86
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	4	143.84
(1,618)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLN:N	6	143.84
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	4	143.83
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	4	143.83
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	4	143.82
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	4	143.8
(1,613)	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1:47:J:GLN:N	6	143.79
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	2	143.68
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	2	143.68
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	2	143.65
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	2	143.62
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	2	143.62
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	2	143.6
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	2	143.59
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	2	143.59
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	2	143.59
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	4	143.58
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	4	143.58
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	2	143.57
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	2	143.57
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	4	143.55
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	4	143.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	2	143.54
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	4	143.54
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	4	143.54
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	4	143.53
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	4	143.53
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	4	143.52
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	4	143.51
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	4	143.51
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	4	143.48
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	1	142.79
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	1	142.78
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	1	142.76
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	1	142.76
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	1	142.73
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1	142.73
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1	142.72
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1	142.7
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	1	142.69
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	1	142.69
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	1	142.69
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	1	142.67
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	10	142.62
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	10	142.62
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	10	142.62
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	10	142.61
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	10	142.61
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	10	142.61
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	10	142.61
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	3	142.6
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	10	142.6
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	10	142.6
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	3	142.59
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	10	142.59
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	10	142.59
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	3	142.58
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	3	142.57
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	10	142.57
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	1	142.55
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	3	142.55
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	3	142.55
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	1	142.52
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	3	142.52
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	3	142.52
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	1	142.51
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	3	142.5
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	3	142.49
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	3	142.49
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	1	142.47
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	3	142.47
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	1	142.45
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	1	142.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	1	142.43
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	1	142.42
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	1	142.42
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	1	142.41
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	1	142.41
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	1	142.39
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	6	142.2
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	6	142.17
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	6	142.16
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	6	142.16
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	6	142.13
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	6	142.13
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	6	142.12
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	6	142.12
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	6	142.12
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	6	142.09
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	6	142.09
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	6	142.07
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	9	142.04
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	9	142.02
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	9	142.01
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	9	142.01
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	9	142.0
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	9	141.99
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	9	141.98
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	9	141.98
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	9	141.97
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	9	141.96
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	9	141.96
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	9	141.94
(1,2657)	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1:160:D:PHE:N	1	141.91
(1,2659)	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1:160:F:PHE:N	1	141.89
(1,2655)	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1:160:K:PHE:N	1	141.87
(1,2654)	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1:160:A:PHE:N	1	141.87
(1,2656)	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1:160:L:PHE:N	1	141.86
(1,2660)	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1:160:B:PHE:N	1	141.85
(1,2653)	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1:160:E:PHE:N	1	141.85
(1,2663)	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1:160:H:PHE:N	1	141.84
(1,2661)	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1:160:G:PHE:N	1	141.84
(1,2658)	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1:160:C:PHE:N	1	141.84
(1,2662)	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1:160:I:PHE:N	1	141.83
(1,2664)	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1:160:J:PHE:N	1	141.77
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	2	141.39
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	2	141.37
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	2	141.36
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	2	141.35
(1,2365)	1:143:A:ILE:N	1:143:A:ILE:CA	1:143:A:ILE:C	1:144:A:ASP:N	8	141.35
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	2	141.34
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	2	141.33
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	2	141.33
(1,2374)	1:143:B:ILE:N	1:143:B:ILE:CA	1:143:B:ILE:C	1:144:B:ASP:N	8	141.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2366)	1:143:H:ILE:N	1:143:H:ILE:CA	1:143:H:ILE:C	1:144:H:ASP:N	8	141.32
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	2	141.31
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	2	141.31
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	2	141.3
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	2	141.29
(1,2373)	1:143:J:ILE:N	1:143:J:ILE:CA	1:143:J:ILE:C	1:144:J:ASP:N	8	141.29
(1,2369)	1:143:I:ILE:N	1:143:I:ILE:CA	1:143:I:ILE:C	1:144:I:ASP:N	8	141.29
(1,2375)	1:143:E:ILE:N	1:143:E:ILE:CA	1:143:E:ILE:C	1:144:E:ASP:N	8	141.28
(1,2371)	1:143:D:ILE:N	1:143:D:ILE:CA	1:143:D:ILE:C	1:144:D:ASP:N	8	141.28
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	2	141.27
(1,2376)	1:143:F:ILE:N	1:143:F:ILE:CA	1:143:F:ILE:C	1:144:F:ASP:N	8	141.27
(1,2367)	1:143:G:ILE:N	1:143:G:ILE:CA	1:143:G:ILE:C	1:144:G:ASP:N	8	141.27
(1,2370)	1:143:K:ILE:N	1:143:K:ILE:CA	1:143:K:ILE:C	1:144:K:ASP:N	8	141.24
(1,2368)	1:143:C:ILE:N	1:143:C:ILE:CA	1:143:C:ILE:C	1:144:C:ASP:N	8	141.23
(1,2372)	1:143:L:ILE:N	1:143:L:ILE:CA	1:143:L:ILE:C	1:144:L:ASP:N	8	141.21
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	6	141.01
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	6	140.99
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	6	140.97
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	6	140.96
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	6	140.95
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	6	140.94
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	6	140.94
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	6	140.93
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	6	140.91
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	6	140.9
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	6	140.9
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	6	140.88
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	9	140.78
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	9	140.77
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	9	140.77
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	9	140.76
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	9	140.76
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	9	140.75
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	9	140.73
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	9	140.71
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	9	140.71
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	9	140.69
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	9	140.69
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	9	140.68
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	8	140.38
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	8	140.38
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	8	140.37
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	8	140.35
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	8	140.34
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	8	140.34
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	8	140.34
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	8	140.33
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	8	140.31
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	8	140.31
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	8	140.31
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	8	140.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	2	139.78
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	2	139.73
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	2	139.73
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	2	139.72
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	2	139.72
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	2	139.71
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	2	139.7
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	2	139.7
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	2	139.69
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	2	139.68
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	2	139.67
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	2	139.67
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	7	139.64
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	7	139.63
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	7	139.61
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	7	139.6
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	7	139.6
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	7	139.59
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	7	139.58
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	7	139.58
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	7	139.57
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	7	139.57
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	7	139.56
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	7	139.54
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	5	139.34
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	5	139.32
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	5	139.31
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	5	139.27
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	5	139.27
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	5	139.26
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	5	139.26
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	5	139.25
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	5	139.25
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	5	139.23
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	5	139.23
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	5	139.22
(1,2687)	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1:163:J:PRO:N	3	139.07
(1,2685)	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1:163:L:PRO:N	3	139.07
(1,2677)	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1:163:F:PRO:N	3	139.07
(1,2688)	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1:163:H:PRO:N	3	139.03
(1,2682)	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1:163:D:PRO:N	3	139.03
(1,2678)	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1:163:C:PRO:N	3	139.03
(1,2686)	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1:163:E:PRO:N	3	139.02
(1,2681)	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1:163:I:PRO:N	3	139.0
(1,2683)	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1:163:A:PRO:N	3	138.99
(1,2684)	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1:163:K:PRO:N	3	138.98
(1,2680)	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1:163:G:PRO:N	3	138.98
(1,2679)	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1:163:B:PRO:N	3	138.97
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	9	138.51
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	9	138.49
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	9	138.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	9	138.46
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	9	138.46
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	9	138.45
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	9	138.45
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	9	138.45
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	9	138.44
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	9	138.44
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	9	138.42
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	9	138.42
(1,632)	1:48:B:THR:C	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	8	138.28
(1,631)	1:48:A:THR:C	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	8	138.26
(1,635)	1:48:H:THR:C	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	8	138.25
(1,625)	1:48:K:THR:C	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	8	138.25
(1,633)	1:48:G:THR:C	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	8	138.23
(1,626)	1:48:L:THR:C	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	8	138.23
(1,629)	1:48:E:THR:C	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	8	138.22
(1,628)	1:48:J:THR:C	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	8	138.22
(1,630)	1:48:F:THR:C	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	8	138.21
(1,636)	1:48:C:THR:C	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	8	138.2
(1,634)	1:48:I:THR:C	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	8	138.2
(1,627)	1:48:D:THR:C	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	8	138.18
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	1	138.02
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	1	137.99
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	1	137.98
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	1	137.98
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	1	137.98
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	1	137.97
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	1	137.96
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	1	137.94
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	1	137.94
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	1	137.93
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	1	137.92
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	1	137.91
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	5	137.54
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	5	137.53
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	5	137.53
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	5	137.49
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	5	137.49
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	5	137.49
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	5	137.49
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	5	137.48
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	5	137.47
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	5	137.45
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	5	137.45
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	5	137.4
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	1	136.57
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	1	136.53
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	1	136.53
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	1	136.52
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	1	136.5
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	1	136.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	1	136.5
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	1	136.49
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	1	136.48
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	1	136.47
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	1	136.45
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	1	136.44
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	6	135.51
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	6	135.49
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	6	135.48
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	6	135.47
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	6	135.46
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	6	135.46
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	6	135.44
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	6	135.43
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	6	135.39
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	6	135.38
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	6	135.38
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	6	135.36
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	8	135.03
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	8	135.01
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	8	134.96
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	8	134.95
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	8	134.95
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	8	134.93
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	8	134.92
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	8	134.92
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	8	134.92
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	8	134.91
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	8	134.91
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	8	134.89
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	5	134.81
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	5	134.79
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	5	134.78
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	5	134.77
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	5	134.76
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	5	134.75
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	5	134.75
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	5	134.75
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	5	134.74
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	5	134.73
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	5	134.73
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	5	134.73
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	10	134.55
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	10	134.52
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	10	134.51
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	10	134.5
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	10	134.5
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	10	134.49
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	10	134.49
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	10	134.48
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	10	134.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	10	134.47
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	10	134.47
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	10	134.46
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	10	133.52
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	10	133.52
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	10	133.52
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	10	133.52
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	5	133.52
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	10	133.51
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	5	133.51
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	10	133.5
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	10	133.5
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	5	133.5
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	10	133.49
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	10	133.49
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	5	133.49
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	5	133.48
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	5	133.48
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	5	133.47
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	5	133.47
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	5	133.47
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	10	133.46
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	10	133.46
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	10	133.45
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	5	133.44
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	5	133.44
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	5	133.44
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	9	133.33
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	9	133.31
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	9	133.3
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	9	133.3
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	9	133.3
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	9	133.29
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	9	133.27
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	9	133.26
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	9	133.26
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	9	133.25
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	9	133.24
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	9	133.23
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	2	132.87
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	2	132.87
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	2	132.86
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	2	132.85
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	2	132.84
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	2	132.83
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	2	132.83
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	2	132.82
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	2	132.81
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	2	132.81
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	2	132.8
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	2	132.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	9	132.65
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	9	132.65
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	9	132.64
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	9	132.63
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	9	132.61
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	9	132.61
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	9	132.61
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	1	132.61
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	9	132.6
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	9	132.6
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	1	132.6
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	1	132.6
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	9	132.59
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	1	132.59
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	9	132.57
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	9	132.57
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	1	132.57
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	1	132.57
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	1	132.56
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	1	132.56
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	1	132.54
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	1	132.54
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	1	132.53
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	1	132.5
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	2	131.42
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	2	131.4
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	2	131.39
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	2	131.37
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	2	131.37
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	2	131.37
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	2	131.35
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	2	131.35
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	2	131.34
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	2	131.34
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	2	131.34
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	2	131.32
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	2	130.41
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	2	130.39
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	2	130.37
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	2	130.36
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	2	130.34
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	2	130.34
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	2	130.34
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	2	130.34
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	2	130.3
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	2	130.3
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	2	130.3
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	2	130.3
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	5	130.16
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	5	130.14
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	5	130.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	5	130.13
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	1	130.12
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	5	130.12
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	5	130.12
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	5	130.11
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	5	130.11
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	5	130.11
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	5	130.11
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	1	130.1
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	5	130.1
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	1	130.09
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	5	130.09
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	1	130.07
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	1	130.07
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	1	130.07
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	1	130.05
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	1	130.04
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	1	130.04
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	1	130.02
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	1	130.02
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	1	129.99
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	8	128.58
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	8	128.58
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	8	128.55
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	8	128.54
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	8	128.53
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	8	128.51
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	8	128.5
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	8	128.5
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	8	128.49
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	8	128.49
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	8	128.49
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	8	128.44
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	5	127.81
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	5	127.81
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	5	127.81
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	5	127.81
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	5	127.8
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	5	127.78
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	5	127.78
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	5	127.77
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	5	127.77
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	5	127.76
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	5	127.76
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	5	127.73
(1,2446)	1:147:J:PRO:N	1:147:J:PRO:CA	1:147:J:PRO:C	1:148:J:GLU:N	9	127.05
(1,2439)	1:147:H:PRO:N	1:147:H:PRO:CA	1:147:H:PRO:C	1:148:H:GLU:N	9	127.04
(1,2445)	1:147:A:PRO:N	1:147:A:PRO:CA	1:147:A:PRO:C	1:148:A:GLU:N	9	127.03
(1,2441)	1:147:E:PRO:N	1:147:E:PRO:CA	1:147:E:PRO:C	1:148:E:GLU:N	9	127.03
(1,2447)	1:147:D:PRO:N	1:147:D:PRO:CA	1:147:D:PRO:C	1:148:D:GLU:N	9	127.01
(1,2443)	1:147:G:PRO:N	1:147:G:PRO:CA	1:147:G:PRO:C	1:148:G:GLU:N	9	127.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2437)	1:147:K:PRO:N	1:147:K:PRO:CA	1:147:K:PRO:C	1:148:K:GLU:N	9	127.0
(1,2448)	1:147:C:PRO:N	1:147:C:PRO:CA	1:147:C:PRO:C	1:148:C:GLU:N	9	126.98
(1,2444)	1:147:I:PRO:N	1:147:I:PRO:CA	1:147:I:PRO:C	1:148:I:GLU:N	9	126.98
(1,2440)	1:147:F:PRO:N	1:147:F:PRO:CA	1:147:F:PRO:C	1:148:F:GLU:N	9	126.95
(1,2438)	1:147:L:PRO:N	1:147:L:PRO:CA	1:147:L:PRO:C	1:148:L:GLU:N	9	126.94
(1,2442)	1:147:B:PRO:N	1:147:B:PRO:CA	1:147:B:PRO:C	1:148:B:GLU:N	9	126.93
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	2	126.83
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	2	126.82
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	2	126.8
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	2	126.79
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	2	126.79
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	2	126.78
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	2	126.78
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	2	126.77
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	2	126.77
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	2	126.76
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	2	126.76
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	2	126.75
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	5	126.69
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	4	126.69
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	4	126.69
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	5	126.67
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	5	126.67
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	5	126.66
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	5	126.66
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	5	126.66
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	5	126.66
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	5	126.66
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	4	126.66
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	5	126.65
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	5	126.65
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	4	126.65
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	4	126.64
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	4	126.64
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	5	126.63
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	4	126.63
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	4	126.63
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	5	126.62
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	4	126.62
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	4	126.62
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	4	126.61
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	4	126.61
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	6	126.46
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	6	126.42
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	6	126.42
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	6	126.42
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	6	126.4
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	6	126.38
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	6	126.38
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	6	126.36
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	6	126.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	6	126.35
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	10	126.34
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	10	126.34
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	10	126.33
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	10	126.32
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	6	126.32
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	10	126.31
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	6	126.31
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	10	126.3
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	10	126.3
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	10	126.26
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	10	126.26
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	10	126.24
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	10	126.24
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	10	126.24
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	3	125.95
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	3	125.92
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	3	125.91
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	3	125.91
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	3	125.9
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	3	125.9
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	3	125.88
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	3	125.87
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	3	125.87
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	3	125.87
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	3	125.86
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	3	125.84
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	6	125.6
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	6	125.59
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	6	125.59
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	6	125.57
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	6	125.56
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	6	125.56
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	6	125.56
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	6	125.53
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	6	125.53
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	6	125.52
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	6	125.51
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	6	125.5
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	9	124.28
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	9	124.25
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	10	124.23
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	10	124.23
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	10	124.23
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	10	124.23
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	9	124.23
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	9	124.23
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	10	124.22
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	10	124.22
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	9	124.22
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	9	124.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	9	124.22
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	9	124.21
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	9	124.21
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	9	124.21
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	10	124.2
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	10	124.2
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	10	124.2
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	9	124.2
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	10	124.19
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	9	124.19
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	10	124.18
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	10	124.17
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	6	123.9
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	6	123.9
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	6	123.89
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	6	123.86
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	6	123.85
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	6	123.85
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	6	123.82
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	6	123.82
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	6	123.8
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	6	123.8
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	6	123.79
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	6	123.79
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	9	123.4
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	9	123.38
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	9	123.38
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	9	123.38
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	9	123.37
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	9	123.36
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	9	123.35
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	9	123.34
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	9	123.33
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	9	123.32
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	9	123.32
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	9	123.3
(1,1580)	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1:104:K:TYR:N	9	123.08
(1,1578)	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1:104:D:TYR:N	9	123.08
(1,1576)	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1:104:G:TYR:N	9	123.08
(1,1582)	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1:104:E:TYR:N	9	123.07
(1,1584)	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1:104:H:TYR:N	9	123.06
(1,1581)	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1:104:L:TYR:N	9	123.05
(1,1574)	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1:104:C:TYR:N	9	123.05
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	5	123.04
(1,1579)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:TYR:N	9	123.02
(1,1577)	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1:104:I:TYR:N	9	123.02
(1,1575)	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1:104:B:TYR:N	9	123.02
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	5	123.0
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	5	122.99
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	5	122.99
(1,1573)	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1:104:F:TYR:N	9	122.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1583)	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1:104:J:TYR:N	9	122.97
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	5	122.96
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	5	122.96
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	5	122.95
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	5	122.94
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	5	122.93
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	5	122.92
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	5	122.92
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	5	122.91
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	5	122.8
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	5	122.8
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	5	122.79
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	5	122.79
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	5	122.78
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	5	122.76
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	5	122.76
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	5	122.76
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	5	122.74
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	5	122.72
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	5	122.71
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	5	122.69
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1	122.43
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1	122.42
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1	122.39
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1	122.37
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1	122.34
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1	122.34
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1	122.32
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1	122.31
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1	122.3
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1	122.29
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	8	122.27
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1	122.27
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1	122.27
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	8	122.22
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	8	122.22
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	8	122.21
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	8	122.19
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	8	122.19
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	1	122.19
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	8	122.18
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	1	122.18
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	1	122.18
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	1	122.17
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	1	122.17
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	8	122.16
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	1	122.16
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	8	122.15
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	8	122.15
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	8	122.15
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	1	122.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	8	122.13
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	1	122.13
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	1	122.13
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	1	122.12
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	1	122.12
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	1	122.11
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	1	121.98
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	1	121.97
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	1	121.97
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	1	121.94
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	1	121.94
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	1	121.93
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	1	121.92
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	1	121.91
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	1	121.89
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	1	121.88
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	1	121.88
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	1	121.86
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	6	121.85
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	6	121.81
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	6	121.81
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	6	121.81
(1,1548)	1:101:F:ASN:C	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	7	121.81
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	6	121.8
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	6	121.8
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	6	121.79
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	6	121.79
(1,1541)	1:101:K:ASN:C	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	7	121.79
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	6	121.78
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	6	121.78
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	6	121.77
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	6	121.76
(1,1540)	1:101:C:ASN:C	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	7	121.76
(1,1547)	1:101:E:ASN:C	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	7	121.74
(1,1545)	1:101:J:ASN:C	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	7	121.73
(1,1538)	1:101:I:ASN:C	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	7	121.73
(1,1537)	1:101:A:ASN:C	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	7	121.72
(1,1544)	1:101:G:ASN:C	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	7	121.71
(1,1542)	1:101:L:ASN:C	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	7	121.71
(1,1546)	1:101:B:ASN:C	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	7	121.7
(1,1543)	1:101:D:ASN:C	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	7	121.7
(1,1539)	1:101:H:ASN:C	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	7	121.69
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	2	121.39
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	2	121.38
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	2	121.37
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	2	121.37
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	2	121.37
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	2	121.36
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	2	121.36
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	2	121.34
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	2	121.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	2	121.32
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	2	121.32
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	2	121.3
(1,2397)	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	1:145:I:THR:N	10	121.25
(1,2396)	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	1:145:G:THR:N	10	121.23
(1,2392)	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	1:145:E:THR:N	10	121.22
(1,2399)	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	1:145:C:THR:N	10	121.21
(1,2390)	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	1:145:L:THR:N	10	121.21
(1,2389)	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	1:145:K:THR:N	10	121.2
(1,2394)	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	1:145:H:THR:N	10	121.19
(1,2391)	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	1:145:A:THR:N	10	121.18
(1,2398)	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	1:145:F:THR:N	10	121.17
(1,2400)	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	1:145:D:THR:N	10	121.16
(1,2395)	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	1:145:B:THR:N	10	121.16
(1,2393)	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	1:145:J:THR:N	10	121.14
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	2	120.38
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	2	120.37
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	2	120.35
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	2	120.33
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	2	120.33
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	2	120.32
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	2	120.3
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	2	120.3
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	2	120.3
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	2	120.29
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	2	120.27
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	2	120.22
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	8	118.73
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	8	118.72
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	8	118.71
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	8	118.68
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	8	118.68
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	8	118.68
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	8	118.68
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	8	118.66
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	8	118.66
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	8	118.66
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	8	118.65
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	8	118.64
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	9	118.3
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	9	118.28
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	9	118.27
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	9	118.26
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	9	118.25
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	9	118.25
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	9	118.25
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	9	118.25
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	9	118.24
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	9	118.22
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	9	118.21
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	9	118.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	1	117.97
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	1	117.96
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	1	117.95
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	1	117.92
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	1	117.91
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	1	117.91
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	1	117.88
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	1	117.87
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	1	117.85
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	1	117.84
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	1	117.84
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	1	117.8
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	6	117.48
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	6	117.42
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	6	117.41
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	6	117.41
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	6	117.41
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	6	117.41
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	6	117.4
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	6	117.4
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	6	117.39
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	6	117.38
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	6	117.37
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	6	117.37
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	2	117.02
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	2	117.01
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	2	117.0
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	2	117.0
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	2	116.98
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	2	116.97
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	2	116.96
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	2	116.95
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	2	116.94
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	2	116.94
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	2	116.92
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	2	116.92
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	8	116.33
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	8	116.27
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	8	116.25
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	8	116.24
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	8	116.23
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	8	116.22
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	8	116.21
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	8	116.21
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	8	116.2
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	8	116.19
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	8	116.16
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	8	116.15
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	9	115.04
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	9	115.04
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	9	115.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	9	115.0
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	9	115.0
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	9	115.0
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	3	114.99
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	3	114.99
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	3	114.99
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	9	114.97
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	3	114.97
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	3	114.97
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	3	114.97
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	3	114.96
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	3	114.96
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	3	114.96
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	9	114.95
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	9	114.94
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	9	114.93
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	3	114.93
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	3	114.92
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	9	114.91
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	3	114.91
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	9	114.89
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	8	114.88
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	8	114.86
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	8	114.84
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	8	114.82
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	8	114.81
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	8	114.8
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	8	114.79
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	8	114.79
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	8	114.78
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	8	114.77
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	8	114.73
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	8	114.73
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	7	114.24
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	7	114.23
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	7	114.21
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	7	114.21
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	7	114.18
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	7	114.18
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	7	114.14
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	7	114.13
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	7	114.13
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	7	114.11
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	7	114.1
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	7	114.09
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	9	113.47
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	9	113.43
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	9	113.42
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	9	113.39
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	9	113.38
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	9	113.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	9	113.34
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	9	113.32
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	9	113.31
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	9	113.3
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	9	113.28
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	9	113.27
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	10	113.18
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	10	113.15
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	10	113.13
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	10	113.13
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	10	113.13
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	10	113.12
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	10	113.11
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	10	113.11
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	10	113.1
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	10	113.06
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	10	113.05
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	10	112.97
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	10	112.53
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	10	112.47
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	10	112.45
(1,2701)	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1:164:G:GLY:N	5	112.44
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	10	112.44
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	10	112.44
(1,2703)	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1:164:D:GLY:N	5	112.43
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	10	112.43
(1,2708)	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1:164:H:GLY:N	5	112.42
(1,2702)	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1:164:J:GLY:N	5	112.42
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	10	112.42
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	10	112.42
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	10	112.42
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	10	112.41
(1,2707)	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1:164:L:GLY:N	5	112.4
(1,2710)	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1:164:E:GLY:N	5	112.39
(1,2706)	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1:164:K:GLY:N	5	112.39
(1,2712)	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1:164:A:GLY:N	5	112.38
(1,2711)	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1:164:B:GLY:N	5	112.38
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	10	112.38
(1,2705)	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1:164:C:GLY:N	5	112.37
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	10	112.37
(1,2704)	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1:164:I:GLY:N	5	112.36
(1,2709)	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1:164:F:GLY:N	5	112.34
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	1	111.5
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	1	111.5
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	1	111.49
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	1	111.49
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	1	111.48
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	1	111.45
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	1	111.45
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	1	111.44
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	1	111.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	1	111.44
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	1	111.43
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	1	111.42
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	6	111.29
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	6	111.28
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	6	111.27
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	6	111.27
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	6	111.25
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	6	111.25
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	6	111.24
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	6	111.23
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	6	111.22
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	6	111.21
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	6	111.18
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	6	111.15
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	2	110.92
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	2	110.91
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	2	110.9
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	2	110.9
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	2	110.89
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	2	110.89
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	2	110.88
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	2	110.88
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	2	110.87
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	2	110.87
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	2	110.84
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	2	110.83
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	4	110.06
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	4	110.04
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	4	110.04
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	4	110.04
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	4	110.03
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	4	110.01
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	4	110.0
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	4	110.0
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	4	110.0
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	4	109.99
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	4	109.98
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	4	109.97
(1,696)	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1:54:I:LEU:N	5	108.32
(1,689)	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1:54:K:LEU:N	5	108.31
(1,688)	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1:54:J:LEU:N	5	108.31
(1,695)	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1:54:E:LEU:N	5	108.3
(1,694)	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1:54:F:LEU:N	5	108.3
(1,692)	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1:54:H:LEU:N	5	108.3
(1,691)	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1:54:L:LEU:N	5	108.3
(1,686)	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1:54:D:LEU:N	5	108.29
(1,690)	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1:54:C:LEU:N	5	108.28
(1,693)	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1:54:B:LEU:N	5	108.27
(1,685)	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1:54:A:LEU:N	5	108.26
(1,687)	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1:54:G:LEU:N	5	108.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	4	108.16
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	4	108.16
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	4	108.14
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	4	108.13
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	4	108.12
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	4	108.11
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	4	108.1
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	4	108.09
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	4	108.09
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	4	108.07
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	4	108.06
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	4	108.05
(1,324)	1:20:C:ALA:C	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	3	106.67
(1,317)	1:20:E:ALA:C	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	3	106.66
(1,315)	1:20:H:ALA:C	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	3	106.64
(1,313)	1:20:K:ALA:C	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	3	106.64
(1,321)	1:20:A:ALA:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	3	106.61
(1,318)	1:20:B:ALA:C	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	3	106.61
(1,314)	1:20:L:ALA:C	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	3	106.61
(1,319)	1:20:G:ALA:C	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	3	106.6
(1,320)	1:20:I:ALA:C	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	3	106.59
(1,322)	1:20:J:ALA:C	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	3	106.58
(1,316)	1:20:F:ALA:C	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	3	106.58
(1,323)	1:20:D:ALA:C	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	3	106.53
(1,1559)	1:102:E:ASP:N	1:102:E:ASP:CA	1:102:E:ASP:C	1:103:E:LYS:N	7	104.13
(1,1551)	1:102:H:ASP:N	1:102:H:ASP:CA	1:102:H:ASP:C	1:103:H:LYS:N	7	104.13
(1,1560)	1:102:F:ASP:N	1:102:F:ASP:CA	1:102:F:ASP:C	1:103:F:LYS:N	7	104.11
(1,1557)	1:102:J:ASP:N	1:102:J:ASP:CA	1:102:J:ASP:C	1:103:J:LYS:N	7	104.11
(1,1552)	1:102:C:ASP:N	1:102:C:ASP:CA	1:102:C:ASP:C	1:103:C:LYS:N	7	104.11
(1,1549)	1:102:A:ASP:N	1:102:A:ASP:CA	1:102:A:ASP:C	1:103:A:LYS:N	7	104.1
(1,1553)	1:102:K:ASP:N	1:102:K:ASP:CA	1:102:K:ASP:C	1:103:K:LYS:N	7	104.08
(1,1550)	1:102:I:ASP:N	1:102:I:ASP:CA	1:102:I:ASP:C	1:103:I:LYS:N	7	104.08
(1,1555)	1:102:D:ASP:N	1:102:D:ASP:CA	1:102:D:ASP:C	1:103:D:LYS:N	7	104.07
(1,1554)	1:102:L:ASP:N	1:102:L:ASP:CA	1:102:L:ASP:C	1:103:L:LYS:N	7	104.07
(1,1558)	1:102:B:ASP:N	1:102:B:ASP:CA	1:102:B:ASP:C	1:103:B:LYS:N	7	104.06
(1,1556)	1:102:G:ASP:N	1:102:G:ASP:CA	1:102:G:ASP:C	1:103:G:LYS:N	7	104.06
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	10	101.29
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	10	101.24
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	10	101.23
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	10	101.23
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	10	101.22
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	10	101.22
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	10	101.21
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	10	101.2
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	10	101.2
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	10	101.19
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	10	101.19
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	10	101.17
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	7	99.92
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	7	99.92
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	7	99.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	7	99.91
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	7	99.9
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	7	99.89
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	7	99.86
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	7	99.85
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	7	99.84
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	7	99.83
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	7	99.83
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	7	99.83
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	8	98.68
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	8	98.68
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	8	98.67
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	8	98.66
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	8	98.66
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	8	98.66
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	8	98.64
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	8	98.63
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	8	98.62
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	8	98.61
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	8	98.61
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	8	98.6
(1,667)	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	1:53:B:ILE:N	5	98.24
(1,670)	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	1:53:F:ILE:N	5	98.2
(1,669)	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	1:53:G:ILE:N	5	98.2
(1,668)	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	1:53:C:ILE:N	5	98.2
(1,671)	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	1:53:I:ILE:N	5	98.19
(1,672)	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	1:53:H:ILE:N	5	98.18
(1,666)	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	1:53:L:ILE:N	5	98.18
(1,662)	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	1:53:E:ILE:N	5	98.18
(1,661)	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	1:53:J:ILE:N	5	98.18
(1,664)	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	1:53:A:ILE:N	5	98.16
(1,663)	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	1:53:K:ILE:N	5	98.16
(1,665)	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	1:53:D:ILE:N	5	98.15
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	4	97.75
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	4	97.74
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	4	97.73
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	4	97.71
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	4	97.71
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	4	97.7
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	4	97.69
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	4	97.69
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	4	97.67
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	4	97.67
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	4	97.67
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	4	97.66
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	7	97.23
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	7	97.22
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	7	97.21
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	7	97.21
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	7	97.2
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	7	97.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	7	97.19
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	7	97.19
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	7	97.19
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	7	97.18
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	7	97.17
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	7	97.15
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	3	97.05
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	3	97.05
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	3	97.04
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	3	97.03
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	3	97.02
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	3	97.01
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	3	97.0
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	3	97.0
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	3	97.0
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	3	97.0
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	3	96.97
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	3	96.96
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	5	96.47
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	5	96.44
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	5	96.44
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	5	96.44
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	5	96.43
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	5	96.43
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	5	96.42
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	5	96.39
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	5	96.38
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	5	96.38
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	5	96.37
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	5	96.37
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	2	94.87
(1,647)	1:49:H:LYS:N	1:49:H:LYS:CA	1:49:H:LYS:C	1:50:H:ASN:N	4	94.86
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	2	94.85
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	2	94.85
(1,643)	1:49:A:LYS:N	1:49:A:LYS:CA	1:49:A:LYS:C	1:50:A:ASN:N	4	94.85
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	2	94.84
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	2	94.84
(1,640)	1:49:J:LYS:N	1:49:J:LYS:CA	1:49:J:LYS:C	1:50:J:ASN:N	4	94.84
(1,639)	1:49:D:LYS:N	1:49:D:LYS:CA	1:49:D:LYS:C	1:50:D:ASN:N	4	94.84
(1,646)	1:49:I:LYS:N	1:49:I:LYS:CA	1:49:I:LYS:C	1:50:I:ASN:N	4	94.83
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	2	94.82
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	2	94.82
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	2	94.82
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	2	94.81
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	2	94.8
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	2	94.8
(1,645)	1:49:G:LYS:N	1:49:G:LYS:CA	1:49:G:LYS:C	1:50:G:ASN:N	4	94.8
(1,638)	1:49:L:LYS:N	1:49:L:LYS:CA	1:49:L:LYS:C	1:50:L:ASN:N	4	94.8
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	2	94.79
(1,644)	1:49:B:LYS:N	1:49:B:LYS:CA	1:49:B:LYS:C	1:50:B:ASN:N	4	94.79
(1,642)	1:49:F:LYS:N	1:49:F:LYS:CA	1:49:F:LYS:C	1:50:F:ASN:N	4	94.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,641)	1:49:E:LYS:N	1:49:E:LYS:CA	1:49:E:LYS:C	1:50:E:ASN:N	4	94.78
(1,648)	1:49:C:LYS:N	1:49:C:LYS:CA	1:49:C:LYS:C	1:50:C:ASN:N	4	94.77
(1,637)	1:49:K:LYS:N	1:49:K:LYS:CA	1:49:K:LYS:C	1:50:K:ASN:N	4	94.75
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	5	94.5
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	5	94.49
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	5	94.47
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	5	94.47
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	5	94.47
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	5	94.47
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	5	94.46
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	5	94.45
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	5	94.45
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	5	94.44
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	5	94.44
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	5	94.41
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	3	94.4
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	2	94.35
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	3	94.34
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	2	94.34
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	2	94.33
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	3	94.32
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	2	94.32
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	3	94.31
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	2	94.31
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	3	94.3
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	3	94.3
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	2	94.3
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	2	94.3
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	3	94.29
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	4	94.29
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	3	94.28
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	3	94.28
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	3	94.28
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	2	94.28
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	3	94.27
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	3	94.27
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	4	94.27
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	2	94.26
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	2	94.26
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	2	94.25
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	2	94.25
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	4	94.23
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	4	94.23
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	4	94.23
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	4	94.23
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	4	94.22
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	4	94.22
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	4	94.21
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	4	94.21
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	4	94.2
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	4	94.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	1	94.02
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	1	94.01
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	1	94.0
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	1	93.98
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	1	93.97
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	1	93.96
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	1	93.94
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	1	93.93
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	1	93.92
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	1	93.92
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	1	93.91
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	1	93.89
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	1	93.82
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	1	93.78
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	1	93.77
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	1	93.74
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	1	93.71
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	1	93.71
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	1	93.69
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	1	93.69
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	1	93.68
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	1	93.67
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	1	93.67
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	1	93.65
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	2	93.18
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	2	93.17
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	2	93.16
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	2	93.16
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	2	93.15
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	2	93.15
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	2	93.15
(1,669)	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	1:53:G:ILE:N	1	93.15
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	2	93.13
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	2	93.12
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	2	93.12
(1,667)	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	1:53:B:ILE:N	1	93.1
(1,662)	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	1:53:E:ILE:N	1	93.1
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	3	93.1
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	3	93.1
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	3	93.1
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	2	93.09
(1,666)	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	1:53:L:ILE:N	1	93.09
(1,665)	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	1:53:D:ILE:N	1	93.09
(1,664)	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	1:53:A:ILE:N	1	93.09
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	3	93.09
(1,668)	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	1:53:C:ILE:N	1	93.08
(1,661)	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	1:53:J:ILE:N	1	93.08
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	3	93.08
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	3	93.08
(1,671)	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	1:53:I:ILE:N	1	93.07
(1,663)	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	1:53:K:ILE:N	1	93.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	3	93.07
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	3	93.06
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	3	93.05
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	3	93.05
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	2	93.04
(1,672)	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	1:53:H:ILE:N	1	93.04
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	3	93.04
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	3	93.01
(1,670)	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	1:53:F:ILE:N	1	92.98
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	1	91.83
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	1	91.79
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	1	91.78
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	1	91.78
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	1	91.76
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	1	91.76
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	1	91.75
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	1	91.75
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	1	91.74
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	1	91.73
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	1	91.71
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	1	91.71
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	5	91.57
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	5	91.56
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	5	91.56
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	5	91.55
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	5	91.55
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	5	91.54
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	5	91.54
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	5	91.52
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	5	91.51
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	5	91.51
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	5	91.49
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	5	91.48
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	7	91.48
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	7	91.47
(1,669)	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	1:53:G:ILE:N	9	91.47
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	7	91.46
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	7	91.46
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	7	91.46
(1,661)	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	1:53:J:ILE:N	9	91.46
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	7	91.45
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	7	91.45
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	7	91.44
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	7	91.43
(1,668)	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	1:53:C:ILE:N	9	91.43
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	7	91.41
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	7	91.39
(1,672)	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	1:53:H:ILE:N	9	91.39
(1,662)	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	1:53:E:ILE:N	9	91.39
(1,671)	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	1:53:I:ILE:N	9	91.38
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	7	91.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,670)	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	1:53:F:ILE:N	9	91.35
(1,667)	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	1:53:B:ILE:N	9	91.35
(1,666)	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	1:53:L:ILE:N	9	91.35
(1,664)	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	1:53:A:ILE:N	9	91.35
(1,665)	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	1:53:D:ILE:N	9	91.33
(1,663)	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	1:53:K:ILE:N	9	91.33
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	9	90.69
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	9	90.68
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	9	90.68
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	9	90.66
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	9	90.65
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	9	90.64
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	9	90.63
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	9	90.63
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	9	90.62
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	9	90.62
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	9	90.62
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	9	90.6
(1,664)	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	1:53:A:ILE:N	2	89.06
(1,671)	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	1:53:I:ILE:N	2	89.05
(1,666)	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	1:53:L:ILE:N	2	89.02
(1,662)	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	1:53:E:ILE:N	2	89.02
(1,670)	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	1:53:F:ILE:N	2	89.01
(1,665)	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	1:53:D:ILE:N	2	89.01
(1,668)	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	1:53:C:ILE:N	2	89.0
(1,661)	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	1:53:J:ILE:N	2	88.99
(1,672)	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	1:53:H:ILE:N	2	88.98
(1,667)	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	1:53:B:ILE:N	2	88.97
(1,669)	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	1:53:G:ILE:N	2	88.96
(1,663)	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	1:53:K:ILE:N	2	88.96
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	9	88.22
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	9	88.22
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	9	88.2
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	9	88.2
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	9	88.17
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	9	88.16
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	9	88.15
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	9	88.15
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	9	88.15
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	9	88.14
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	9	88.12
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	9	88.08
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	9	88.03
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	9	88.03
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	9	88.0
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	9	87.99
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	9	87.99
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	9	87.99
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	9	87.98
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	9	87.97
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	9	87.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	9	87.96
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	9	87.95
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	9	87.95
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	3	87.19
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	3	87.17
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	3	87.16
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	3	87.15
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	3	87.14
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	3	87.13
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	3	87.13
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	3	87.13
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	3	87.1
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	3	87.1
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	3	87.07
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	3	87.06
(1,2225)	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1:136:D:GLY:N	5	86.47
(1,2226)	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1:136:L:GLY:N	5	86.44
(1,2222)	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1:136:E:GLY:N	5	86.44
(1,2224)	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1:136:A:GLY:N	5	86.43
(1,2221)	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1:136:J:GLY:N	5	86.43
(1,2232)	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1:136:H:GLY:N	5	86.42
(1,2228)	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1:136:C:GLY:N	5	86.42
(1,2227)	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1:136:B:GLY:N	5	86.42
(1,2223)	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1:136:K:GLY:N	5	86.42
(1,2231)	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1:136:I:GLY:N	5	86.41
(1,2229)	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1:136:G:GLY:N	5	86.38
(1,2230)	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1:136:F:GLY:N	5	86.36
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1	85.86
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1	85.86
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1	85.84
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1	85.84
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1	85.83
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1	85.83
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1	85.83
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1	85.83
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1	85.82
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1	85.8
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1	85.8
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1	85.79
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	8	85.59
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	8	85.54
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	8	85.54
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	8	85.52
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	8	85.52
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	8	85.5
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	8	85.5
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	8	85.5
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	8	85.5
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	8	85.49
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	8	85.46
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	8	85.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	8	84.74
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	8	84.7
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	8	84.68
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	8	84.68
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	8	84.68
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	8	84.67
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	8	84.67
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	8	84.65
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	8	84.64
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	8	84.63
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	8	84.62
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	8	84.61
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	4	84.39
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	4	84.39
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	4	84.35
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	4	84.35
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	4	84.34
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	4	84.33
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	4	84.32
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	4	84.3
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	4	84.29
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	4	84.28
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	4	84.28
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	4	84.26
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	6	83.7
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	6	83.7
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	6	83.69
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	6	83.67
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	6	83.67
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	6	83.67
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	6	83.65
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	6	83.65
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	6	83.62
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	6	83.61
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	6	83.61
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	6	83.59
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	7	83.56
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	7	83.56
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	7	83.54
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	7	83.54
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	7	83.52
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	7	83.52
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	7	83.52
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	7	83.51
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	7	83.49
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	7	83.47
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	7	83.47
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	7	83.46
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	2	82.72
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	2	82.71
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	2	82.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	2	82.68
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	2	82.68
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	2	82.68
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	2	82.68
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	2	82.68
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	2	82.66
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	2	82.66
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	2	82.62
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	2	82.59
(1,335)	1:21:D:ALA:N	1:21:D:ALA:CA	1:21:D:ALA:C	1:22:D:THR:N	10	82.36
(1,331)	1:21:G:ALA:N	1:21:G:ALA:CA	1:21:G:ALA:C	1:22:G:THR:N	10	82.36
(1,327)	1:21:H:ALA:N	1:21:H:ALA:CA	1:21:H:ALA:C	1:22:H:THR:N	10	82.35
(1,333)	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1:22:A:THR:N	10	82.32
(1,329)	1:21:E:ALA:N	1:21:E:ALA:CA	1:21:E:ALA:C	1:22:E:THR:N	10	82.32
(1,330)	1:21:B:ALA:N	1:21:B:ALA:CA	1:21:B:ALA:C	1:22:B:THR:N	10	82.3
(1,328)	1:21:F:ALA:N	1:21:F:ALA:CA	1:21:F:ALA:C	1:22:F:THR:N	10	82.3
(1,332)	1:21:I:ALA:N	1:21:I:ALA:CA	1:21:I:ALA:C	1:22:I:THR:N	10	82.29
(1,326)	1:21:L:ALA:N	1:21:L:ALA:CA	1:21:L:ALA:C	1:22:L:THR:N	10	82.29
(1,334)	1:21:J:ALA:N	1:21:J:ALA:CA	1:21:J:ALA:C	1:22:J:THR:N	10	82.27
(1,325)	1:21:K:ALA:N	1:21:K:ALA:CA	1:21:K:ALA:C	1:22:K:THR:N	10	82.27
(1,336)	1:21:C:ALA:N	1:21:C:ALA:CA	1:21:C:ALA:C	1:22:C:THR:N	10	82.26
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	5	82.17
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	5	82.15
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	5	82.14
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	5	82.12
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	5	82.12
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	5	82.11
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	5	82.11
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	5	82.07
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	5	82.07
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	5	82.07
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	5	82.06
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	5	82.06
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	4	81.89
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	4	81.89
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	4	81.85
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	4	81.85
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	4	81.84
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	4	81.84
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	4	81.83
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	4	81.83
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	4	81.82
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	4	81.81
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	4	81.8
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	4	81.8
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	7	80.42
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	7	80.42
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	7	80.41
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	7	80.4
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	7	80.4
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	7	80.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	7	80.39
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	7	80.39
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	7	80.39
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	3	80.38
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	3	80.38
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	7	80.37
(1,712)	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	1:55:E:GLY:N	9	80.37
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	7	80.36
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	3	80.36
(1,716)	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	1:55:I:GLY:N	9	80.36
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	7	80.35
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	3	80.35
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	3	80.34
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	3	80.34
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	3	80.33
(1,715)	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	1:55:G:GLY:N	9	80.33
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	3	80.32
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	3	80.32
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	3	80.32
(1,718)	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	1:55:L:GLY:N	9	80.32
(1,717)	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	1:55:H:GLY:N	9	80.32
(1,713)	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	1:55:F:GLY:N	9	80.3
(1,720)	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	1:55:K:GLY:N	9	80.29
(1,714)	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	1:55:B:GLY:N	9	80.29
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	3	80.28
(1,711)	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	1:55:A:GLY:N	9	80.27
(1,710)	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	1:55:D:GLY:N	9	80.27
(1,709)	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	1:55:J:GLY:N	9	80.26
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	3	80.25
(1,719)	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	1:55:C:GLY:N	9	80.22
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	7	79.98
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	7	79.98
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	7	79.97
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	7	79.96
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	7	79.96
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	7	79.94
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	7	79.93
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	7	79.93
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	7	79.9
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	7	79.9
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	7	79.89
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	7	79.89
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	9	79.6
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	9	79.58
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	9	79.58
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	9	79.58
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	9	79.56
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	9	79.54
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	9	79.54
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	9	79.54
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	9	79.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	9	79.52
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	9	79.52
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	9	79.51
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	6	79.31
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	6	79.29
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	6	79.29
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	6	79.28
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	6	79.28
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	6	79.27
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	6	79.27
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	6	79.27
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	6	79.25
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	6	79.25
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	6	79.24
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	6	79.23
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	4	78.62
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	4	78.61
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	4	78.61
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	4	78.61
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	4	78.59
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	4	78.58
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	4	78.58
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	4	78.58
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	4	78.58
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	4	78.58
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	4	78.57
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	4	78.56
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	3	78.43
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	3	78.41
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	3	78.41
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	3	78.39
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	3	78.39
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	3	78.38
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	3	78.37
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	3	78.37
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	3	78.37
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	3	78.36
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	3	78.36
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	3	78.34
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	5	77.34
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	5	77.33
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	5	77.33
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	5	77.33
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	5	77.32
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	5	77.32
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	5	77.32
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	5	77.32
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	5	77.31
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	5	77.3
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	1	77.28
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	5	77.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	5	77.27
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	1	77.26
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	1	77.25
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	1	77.24
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	1	77.24
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	1	77.24
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	1	77.24
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	1	77.23
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	1	77.23
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	1	77.23
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	1	77.2
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	1	77.19
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	9	77.1
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	9	77.07
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	9	77.06
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	9	77.04
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	9	77.04
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	9	77.03
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	9	77.03
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	9	77.03
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	9	77.02
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	9	77.01
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	7	77.0
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	7	77.0
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	7	77.0
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	9	76.98
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	7	76.98
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	7	76.98
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	7	76.97
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	9	76.96
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	7	76.96
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	7	76.95
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	7	76.93
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	7	76.92
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	7	76.92
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	7	76.91
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	8	76.05
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	8	76.05
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	8	76.04
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	8	76.04
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	8	76.03
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	8	76.03
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	8	76.03
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	8	76.02
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	8	76.02
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	8	76.01
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	8	76.0
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	8	75.98
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	1	75.94
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	1	75.94
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	1	75.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	1	75.92
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	1	75.92
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	1	75.92
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	1	75.91
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	1	75.91
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	1	75.9
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	1	75.89
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	1	75.87
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	1	75.86
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	10	75.25
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	10	75.24
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	10	75.23
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	10	75.22
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	10	75.22
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	10	75.21
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	10	75.21
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	10	75.21
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	10	75.21
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	10	75.19
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	10	75.18
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	10	75.17
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	2	75.01
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	2	75.01
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	2	74.99
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	2	74.98
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	2	74.97
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	2	74.94
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	2	74.94
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	2	74.93
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	2	74.92
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	2	74.91
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	2	74.9
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	2	74.89
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	10	74.89
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	10	74.88
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	10	74.88
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	10	74.88
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	10	74.87
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	10	74.87
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	10	74.87
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	10	74.85
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	10	74.84
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	10	74.84
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	10	74.83
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	10	74.82
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	9	74.22
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	9	74.21
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	9	74.2
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	9	74.18
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	9	74.18
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	9	74.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	9	74.17
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	9	74.16
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	9	74.16
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	9	74.15
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	9	74.14
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	9	74.13
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	4	73.85
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	4	73.84
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	4	73.84
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	4	73.83
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	4	73.83
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	4	73.81
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	4	73.8
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	4	73.79
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	4	73.76
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	4	73.74
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	4	73.74
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	4	73.71
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	3	73.0
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	3	72.98
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	3	72.98
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	3	72.98
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	3	72.96
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	3	72.94
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	3	72.94
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	3	72.92
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	3	72.92
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	3	72.9
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	3	72.88
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	3	72.88
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	6	72.85
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	6	72.82
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	6	72.82
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	6	72.82
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	6	72.82
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	6	72.82
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	6	72.76
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	6	72.76
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	6	72.76
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	6	72.76
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	6	72.75
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	6	72.74
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	5	72.62
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	5	72.57
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	5	72.55
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	5	72.55
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	5	72.55
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	5	72.55
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	5	72.55
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	5	72.53
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	5	72.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	5	72.53
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	5	72.51
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	5	72.5
(1,2751)	1:166:I:THR:N	1:166:I:THR:CA	1:166:I:THR:C	1:167:I:THR:N	2	71.49
(1,2756)	1:166:J:THR:N	1:166:J:THR:CA	1:166:J:THR:C	1:167:J:THR:N	2	71.48
(1,2760)	1:166:B:THR:N	1:166:B:THR:CA	1:166:B:THR:C	1:167:B:THR:N	2	71.47
(1,2755)	1:166:L:THR:N	1:166:L:THR:CA	1:166:L:THR:C	1:167:L:THR:N	2	71.47
(1,2750)	1:166:C:THR:N	1:166:C:THR:CA	1:166:C:THR:C	1:167:C:THR:N	2	71.47
(1,2749)	1:166:H:THR:N	1:166:H:THR:CA	1:166:H:THR:C	1:167:H:THR:N	2	71.47
(1,2759)	1:166:A:THR:N	1:166:A:THR:CA	1:166:A:THR:C	1:167:A:THR:N	2	71.46
(1,2758)	1:166:F:THR:N	1:166:F:THR:CA	1:166:F:THR:C	1:167:F:THR:N	2	71.46
(1,2757)	1:166:E:THR:N	1:166:E:THR:CA	1:166:E:THR:C	1:167:E:THR:N	2	71.45
(1,2753)	1:166:G:THR:N	1:166:G:THR:CA	1:166:G:THR:C	1:167:G:THR:N	2	71.45
(1,2752)	1:166:K:THR:N	1:166:K:THR:CA	1:166:K:THR:C	1:167:K:THR:N	2	71.45
(1,2754)	1:166:D:THR:N	1:166:D:THR:CA	1:166:D:THR:C	1:167:D:THR:N	2	71.39
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	10	71.33
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	10	71.32
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	10	71.3
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	10	71.3
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	10	71.29
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	10	71.29
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	10	71.28
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	10	71.28
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	10	71.27
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	10	71.27
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	10	71.26
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	10	71.25
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	10	67.29
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	10	67.27
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	10	67.27
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	10	67.27
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	8	67.27
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	8	67.27
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	10	67.26
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	8	67.26
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	8	67.26
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	10	67.25
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	8	67.25
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	10	67.24
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	8	67.24
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	10	67.23
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	10	67.23
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	10	67.23
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	8	67.23
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	8	67.23
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	10	67.22
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	10	67.22
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	8	67.22
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	8	67.22
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	8	67.21
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	8	67.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	2	66.99
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	2	66.97
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	2	66.96
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	2	66.96
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	2	66.96
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	2	66.94
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	6	66.94
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	6	66.94
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	2	66.93
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	2	66.93
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	6	66.92
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	6	66.92
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	2	66.91
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	2	66.91
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	6	66.91
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	6	66.91
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	2	66.9
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	2	66.9
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	6	66.9
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	6	66.89
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	6	66.89
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	6	66.88
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	6	66.88
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	6	66.88
(1,2568)	1:152:I:ASN:N	1:152:I:ASN:CA	1:152:I:ASN:C	1:153:I:VAL:N	1	66.51
(1,2564)	1:152:F:ASN:N	1:152:F:ASN:CA	1:152:F:ASN:C	1:153:F:VAL:N	1	66.48
(1,2562)	1:152:J:ASN:N	1:152:J:ASN:CA	1:152:J:ASN:C	1:153:J:VAL:N	1	66.48
(1,2560)	1:152:L:ASN:N	1:152:L:ASN:CA	1:152:L:ASN:C	1:153:L:VAL:N	1	66.47
(1,2563)	1:152:H:ASN:N	1:152:H:ASN:CA	1:152:H:ASN:C	1:153:H:VAL:N	1	66.46
(1,2559)	1:152:K:ASN:N	1:152:K:ASN:CA	1:152:K:ASN:C	1:153:K:VAL:N	1	66.45
(1,2561)	1:152:E:ASN:N	1:152:E:ASN:CA	1:152:E:ASN:C	1:153:E:VAL:N	1	66.44
(1,2558)	1:152:A:ASN:N	1:152:A:ASN:CA	1:152:A:ASN:C	1:153:A:VAL:N	1	66.44
(1,2557)	1:152:D:ASN:N	1:152:D:ASN:CA	1:152:D:ASN:C	1:153:D:VAL:N	1	66.42
(1,2566)	1:152:C:ASN:N	1:152:C:ASN:CA	1:152:C:ASN:C	1:153:C:VAL:N	1	66.41
(1,2567)	1:152:B:ASN:N	1:152:B:ASN:CA	1:152:B:ASN:C	1:153:B:VAL:N	1	66.4
(1,2565)	1:152:G:ASN:N	1:152:G:ASN:CA	1:152:G:ASN:C	1:153:G:VAL:N	1	66.39
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	5	66.38
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	5	66.38
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	5	66.36
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	5	66.35
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	5	66.35
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	5	66.34
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	5	66.33
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	5	66.32
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	5	66.32
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	5	66.31
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	5	66.3
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	5	66.28
(1,952)	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	1:73:L:ASP:N	6	65.65
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	9	65.63
(1,957)	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	1:73:G:ASP:N	6	65.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,954)	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	1:73:C:ASP:N	6	65.63
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	9	65.62
(1,949)	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	1:73:E:ASP:N	6	65.62
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	9	65.59
(1,958)	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	1:73:I:ASP:N	6	65.59
(1,956)	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	1:73:B:ASP:N	6	65.58
(1,955)	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	1:73:F:ASP:N	6	65.58
(1,950)	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	1:73:A:ASP:N	6	65.58
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	9	65.57
(1,953)	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	1:73:D:ASP:N	6	65.57
(1,951)	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	1:73:K:ASP:N	6	65.57
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	9	65.56
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	9	65.56
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	9	65.56
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	9	65.56
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	9	65.56
(1,960)	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	1:73:J:ASP:N	6	65.56
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	9	65.55
(1,959)	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	1:73:H:ASP:N	6	65.55
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	9	65.54
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	9	65.54
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	2	65.0
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	2	65.0
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	2	64.99
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	2	64.98
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	2	64.98
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	2	64.98
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	2	64.98
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	2	64.98
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	2	64.97
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	8	64.96
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	8	64.96
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	8	64.96
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	2	64.96
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	2	64.96
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	2	64.96
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	8	64.95
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	8	64.94
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	8	64.93
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	8	64.93
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	8	64.93
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	8	64.91
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	8	64.9
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	8	64.9
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	8	64.9
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	10	64.74
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	10	64.73
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	10	64.72
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	10	64.71
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	10	64.7
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	10	64.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	10	64.69
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	10	64.69
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	10	64.68
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	10	64.67
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	10	64.66
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	10	64.65
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	6	63.92
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	6	63.92
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	6	63.92
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	6	63.91
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	6	63.9
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1	63.9
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1	63.9
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	6	63.89
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	6	63.89
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	6	63.88
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1	63.87
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	6	63.86
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1	63.86
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1	63.86
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	6	63.85
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	6	63.85
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1	63.84
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1	63.84
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	6	63.83
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1	63.83
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1	63.83
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1	63.79
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1	63.79
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1	63.79
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	9	63.64
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	9	63.64
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	9	63.63
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	9	63.61
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	9	63.61
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	9	63.59
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	9	63.58
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	9	63.58
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	9	63.57
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	9	63.56
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	9	63.55
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	9	63.55
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	3	63.52
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	3	63.52
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	3	63.51
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	3	63.51
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	3	63.51
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	3	63.49
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	3	63.49
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	3	63.48
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	3	63.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	3	63.46
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	3	63.43
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	3	63.41
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	8	62.98
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	8	62.94
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	8	62.92
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	8	62.9
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	8	62.9
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	8	62.89
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	8	62.89
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	8	62.89
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	8	62.89
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	8	62.87
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	8	62.84
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	8	62.81
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	7	62.8
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	7	62.79
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	7	62.78
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	7	62.78
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	7	62.78
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	7	62.77
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	7	62.75
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	7	62.75
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	7	62.75
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	7	62.73
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	7	62.72
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	7	62.71
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	10	62.64
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	10	62.63
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	10	62.61
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	10	62.61
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	10	62.61
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	10	62.6
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	10	62.59
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	10	62.59
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	10	62.57
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	10	62.57
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	10	62.57
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	10	62.55
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	4	62.41
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	4	62.39
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	4	62.38
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	4	62.38
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	4	62.37
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	4	62.36
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	4	62.35
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	4	62.31
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	8	62.3
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	4	62.3
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	4	62.3
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	8	62.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	4	62.28
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	4	62.28
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	8	62.27
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	8	62.24
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	8	62.24
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	8	62.23
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	8	62.23
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	8	62.23
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	8	62.22
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	8	62.21
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	8	62.21
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	8	62.18
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	8	61.65
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	8	61.64
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	8	61.63
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	8	61.62
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	8	61.62
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	8	61.61
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	8	61.61
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	8	61.61
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	8	61.6
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	8	61.59
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	8	61.56
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	8	61.56
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	7	61.48
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	7	61.45
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	7	61.44
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	7	61.44
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	7	61.43
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	7	61.43
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	7	61.43
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	7	61.42
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	7	61.42
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	7	61.41
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	7	61.4
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	6	61.39
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	6	61.38
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	6	61.38
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	6	61.38
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	6	61.38
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	7	61.37
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	6	61.37
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	6	61.37
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	6	61.36
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	6	61.36
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	6	61.35
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	6	61.33
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	6	61.31
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	4	60.65
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	4	60.62
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	4	60.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	4	60.62
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	4	60.61
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	4	60.61
(1,2003)	1:124:I:GLY:C	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	5	60.61
(1,2000)	1:124:C:GLY:C	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	5	60.61
(1,1998)	1:124:J:GLY:C	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	5	60.61
(1,1997)	1:124:H:GLY:C	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	5	60.61
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	6	60.6
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	4	60.6
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	4	60.6
(1,1996)	1:124:L:GLY:C	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	5	60.6
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	4	60.59
(1,2004)	1:124:D:GLY:C	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	5	60.59
(1,1999)	1:124:F:GLY:C	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	5	60.59
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	4	60.58
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	4	60.58
(1,2002)	1:124:G:GLY:C	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	5	60.57
(1,1995)	1:124:K:GLY:C	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	5	60.57
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	4	60.56
(1,1994)	1:124:A:GLY:C	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	5	60.55
(1,1993)	1:124:E:GLY:C	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	5	60.55
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	6	60.53
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	6	60.53
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	6	60.53
(1,2001)	1:124:B:GLY:C	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	5	60.53
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	6	60.51
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	6	60.5
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	6	60.5
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	6	60.5
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	6	60.5
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	6	60.49
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	6	60.49
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	6	60.46
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	8	60.14
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	8	60.11
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	8	60.1
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	8	60.1
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	8	60.1
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	8	60.1
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	8	60.09
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	8	60.08
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	8	60.08
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	8	60.07
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	8	60.07
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	8	60.05
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	7	59.59
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	7	59.59
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	7	59.58
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	7	59.56
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	7	59.56
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	7	59.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	7	59.56
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	7	59.56
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	7	59.55
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	7	59.54
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	7	59.53
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	7	59.52
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	10	59.05
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	8	59.02
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	8	59.02
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	10	59.02
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	8	59.01
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	8	59.01
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	10	59.01
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	8	59.0
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	10	59.0
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	10	59.0
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	10	59.0
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	10	59.0
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	10	58.99
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	10	58.99
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	8	58.98
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	8	58.98
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	10	58.98
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	10	58.98
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	10	58.97
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	8	58.95
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	8	58.94
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	8	58.92
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	3	58.9
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	8	58.9
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	8	58.9
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	3	58.88
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	3	58.87
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	3	58.87
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	3	58.86
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	3	58.85
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	3	58.84
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	3	58.83
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	3	58.83
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	3	58.83
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	3	58.82
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	3	58.79
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	1	58.53
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	1	58.5
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	1	58.5
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	3	58.48
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	1	58.47
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	1	58.46
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	1	58.46
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	1	58.46
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	1	58.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1	58.44
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	3	58.44
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	3	58.44
(1,1994)	1:124:A:GLY:C	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	9	58.42
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	3	58.42
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	1	58.42
(1,1999)	1:124:F:GLY:C	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	9	58.41
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	1	58.41
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	1	58.41
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	3	58.41
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	3	58.41
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	3	58.41
(1,2003)	1:124:I:GLY:C	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	9	58.4
(1,2002)	1:124:G:GLY:C	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	9	58.39
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	3	58.39
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	3	58.39
(1,2004)	1:124:D:GLY:C	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	9	58.38
(1,2001)	1:124:B:GLY:C	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	9	58.38
(1,1997)	1:124:H:GLY:C	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	9	58.38
(1,1995)	1:124:K:GLY:C	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	9	58.38
(1,1993)	1:124:E:GLY:C	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	9	58.38
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	3	58.38
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	3	58.38
(1,2000)	1:124:C:GLY:C	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	9	58.37
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	3	58.37
(1,1998)	1:124:J:GLY:C	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	9	58.35
(1,1996)	1:124:L:GLY:C	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	9	58.35
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	4	58.13
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	4	58.11
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	4	58.11
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	4	58.1
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	4	58.1
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	4	58.1
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	4	58.09
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	4	58.09
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	4	58.08
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	4	58.08
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	4	58.06
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	4	58.05
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	6	57.61
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	6	57.59
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	6	57.59
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	6	57.58
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	6	57.57
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	6	57.56
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	6	57.53
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	6	57.52
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	6	57.51
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	6	57.51
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	6	57.5
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	6	57.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	5	57.33
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	5	57.31
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	5	57.3
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	5	57.29
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	5	57.29
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	5	57.28
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	5	57.27
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	5	57.27
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	5	57.26
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	5	57.25
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	5	57.25
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	5	57.24
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	3	56.99
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	3	56.98
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	3	56.98
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	3	56.97
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	3	56.97
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	3	56.96
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	3	56.96
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	3	56.94
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	3	56.94
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	3	56.93
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	3	56.93
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	3	56.92
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	2	56.14
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	2	56.14
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	2	56.12
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	2	56.12
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	2	56.11
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	2	56.1
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	2	56.08
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	2	56.08
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	2	56.06
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	2	56.05
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	2	56.05
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	2	56.0
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	7	55.87
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	7	55.85
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	7	55.85
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	7	55.83
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	7	55.83
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	7	55.82
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	7	55.82
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	7	55.82
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	7	55.8
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	7	55.8
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	7	55.78
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	7	55.74
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	10	55.64
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	10	55.62
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	10	55.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	10	55.6
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	10	55.59
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	10	55.57
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	10	55.56
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	10	55.56
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	10	55.53
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	10	55.53
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	10	55.51
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	10	55.5
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	4	55.19
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	4	55.18
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	4	55.17
(1,2001)	1:124:B:GLY:C	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1	55.17
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	4	55.16
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	4	55.16
(1,1994)	1:124:A:GLY:C	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1	55.16
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	4	55.15
(1,2004)	1:124:D:GLY:C	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1	55.15
(1,2002)	1:124:G:GLY:C	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1	55.15
(1,2000)	1:124:C:GLY:C	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1	55.14
(1,1998)	1:124:J:GLY:C	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1	55.14
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	4	55.13
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	4	55.13
(1,1999)	1:124:F:GLY:C	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1	55.13
(1,1993)	1:124:E:GLY:C	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1	55.13
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	4	55.12
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	4	55.12
(1,1996)	1:124:L:GLY:C	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1	55.12
(1,2003)	1:124:I:GLY:C	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1	55.11
(1,1997)	1:124:H:GLY:C	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1	55.11
(1,1995)	1:124:K:GLY:C	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1	55.11
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	4	55.1
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	4	55.06
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	5	55.0
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	10	54.99
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	10	54.99
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	10	54.98
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	10	54.97
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	10	54.97
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	10	54.96
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	5	54.96
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	10	54.95
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	5	54.95
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	5	54.95
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	5	54.95
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	10	54.94
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	5	54.93
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	5	54.93
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	10	54.92
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	5	54.92
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	5	54.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	10	54.91
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	10	54.91
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	10	54.91
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	5	54.88
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	5	54.88
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	5	54.88
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	6	54.77
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	6	54.76
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	6	54.74
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	6	54.74
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	6	54.74
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	6	54.73
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	6	54.72
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	6	54.71
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	6	54.69
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	6	54.69
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	6	54.69
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	6	54.66
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	4	54.65
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	4	54.63
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	4	54.63
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	4	54.62
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	4	54.61
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	4	54.59
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	4	54.58
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	4	54.58
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	4	54.58
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	4	54.57
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	4	54.57
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	4	54.56
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1	54.26
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1	54.26
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1	54.25
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1	54.25
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1	54.25
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1	54.23
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1	54.23
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1	54.23
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1	54.23
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1	54.22
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1	54.21
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1	54.2
(1,2000)	1:124:C:GLY:C	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	2	54.07
(1,2004)	1:124:D:GLY:C	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	2	54.03
(1,2003)	1:124:I:GLY:C	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	2	54.03
(1,2002)	1:124:G:GLY:C	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	2	54.01
(1,1994)	1:124:A:GLY:C	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	2	54.01
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	3	54.0
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	3	54.0
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	3	54.0
(1,2001)	1:124:B:GLY:C	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	2	54.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1998)	1:124:J:GLY:C	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	2	54.0
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	3	53.99
(1,1999)	1:124:F:GLY:C	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	2	53.99
(1,1997)	1:124:H:GLY:C	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	2	53.99
(1,1996)	1:124:L:GLY:C	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	2	53.99
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	3	53.98
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	3	53.98
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	3	53.98
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	3	53.97
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	3	53.97
(1,1993)	1:124:E:GLY:C	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	2	53.97
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	3	53.96
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	3	53.96
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	3	53.96
(1,1995)	1:124:K:GLY:C	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	2	53.96
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	6	53.77
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	6	53.76
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	6	53.75
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	6	53.75
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	6	53.74
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	6	53.73
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	6	53.73
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	6	53.73
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	6	53.7
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	6	53.69
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	6	53.68
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	6	53.65
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	2	53.46
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	2	53.44
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	2	53.44
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	2	53.43
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	2	53.4
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	2	53.4
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	2	53.39
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	2	53.38
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	2	53.36
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	2	53.35
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	2	53.33
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	2	53.33
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	3	52.85
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	3	52.83
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	3	52.82
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	3	52.81
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	3	52.79
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	3	52.79
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	3	52.78
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	3	52.76
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	3	52.76
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	3	52.75
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	3	52.72
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	3	52.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	1	52.58
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1	52.57
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1	52.56
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	1	52.56
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1	52.55
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	1	52.55
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	1	52.53
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1	52.52
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1	52.51
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	1	52.51
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	1	52.5
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	1	52.47
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	7	52.45
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	7	52.45
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	7	52.44
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	7	52.43
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	7	52.43
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	7	52.43
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	7	52.42
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	7	52.42
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	7	52.42
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	7	52.41
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	7	52.39
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	7	52.39
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	6	52.05
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	6	52.05
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	6	52.04
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	6	52.04
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	6	52.03
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	6	52.01
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	6	52.01
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	6	52.0
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	6	51.99
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	6	51.96
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	9	51.94
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	6	51.93
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	6	51.93
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	9	51.92
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	9	51.92
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	9	51.91
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	9	51.88
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	9	51.88
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	9	51.85
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	9	51.85
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	9	51.83
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	9	51.81
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	9	51.81
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	9	51.8
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	51.29
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	8	51.27
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	8	51.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	8	51.27
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	8	51.26
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	8	51.25
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	8	51.24
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	8	51.24
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	8	51.23
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	8	51.22
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	8	51.21
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	8	51.21
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	5	51.13
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	5	51.11
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	5	51.09
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	5	51.09
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	2	51.09
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	2	51.09
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	5	51.08
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	5	51.07
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	5	51.07
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	2	51.06
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	5	51.05
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	2	51.05
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	5	51.04
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	2	51.04
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	5	51.03
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	5	51.03
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	2	51.03
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	2	51.03
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	2	51.03
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	5	51.02
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	2	51.02
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	2	51.02
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	2	51.01
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	2	51.0
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	9	50.9
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	9	50.89
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	4	50.88
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	9	50.87
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	4	50.86
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	9	50.85
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	9	50.85
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	4	50.85
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	9	50.85
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	9	50.83
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	4	50.83
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	9	50.83
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	4	50.83
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	9	50.83
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	4	50.83
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	4	50.82
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	9	50.81
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	4	50.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	9	50.8
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	9	50.79
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	4	50.79
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	4	50.78
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	4	50.75
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	4	50.75
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	2	50.73
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	2	50.71
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	2	50.71
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	2	50.7
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	2	50.7
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	2	50.7
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	2	50.69
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	2	50.69
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	2	50.68
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	9	50.68
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	2	50.67
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	2	50.66
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	2	50.64
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	9	50.62
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	9	50.61
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	9	50.6
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	9	50.6
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	9	50.59
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	9	50.58
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	9	50.58
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	9	50.57
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	9	50.57
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	9	50.56
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	9	50.55
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	4	50.23
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	4	50.21
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	4	50.2
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	4	50.16
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	4	50.15
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	4	50.15
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	4	50.14
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	4	50.14
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	4	50.14
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	4	50.13
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	4	50.13
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	4	50.1
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	3	49.81
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	3	49.78
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	3	49.78
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	3	49.77
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	3	49.76
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	3	49.75
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	3	49.75
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	3	49.75
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	3	49.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	3	49.74
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	3	49.74
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	3	49.73
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	7	49.65
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	7	49.64
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	7	49.6
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	7	49.59
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	7	49.59
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	7	49.58
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	7	49.58
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	7	49.58
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	7	49.57
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	7	49.57
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	7	49.54
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	7	49.53
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	7	49.18
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	7	49.17
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	7	49.16
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	7	49.16
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	7	49.15
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	7	49.15
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	7	49.14
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	7	49.13
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	7	49.11
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	7	49.11
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	7	49.11
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	7	49.09
(1,2421)	1:146:E:LEU:N	1:146:E:LEU:CA	1:146:E:LEU:C	1:147:E:PRO:N	1	49.08
(1,2416)	1:146:K:LEU:N	1:146:K:LEU:CA	1:146:K:LEU:C	1:147:K:PRO:N	1	49.05
(1,2414)	1:146:G:LEU:N	1:146:G:LEU:CA	1:146:G:LEU:C	1:147:G:PRO:N	1	49.04
(1,2420)	1:146:J:LEU:N	1:146:J:LEU:CA	1:146:J:LEU:C	1:147:J:PRO:N	1	49.02
(1,2419)	1:146:I:LEU:N	1:146:I:LEU:CA	1:146:I:LEU:C	1:147:I:PRO:N	1	49.02
(1,2415)	1:146:C:LEU:N	1:146:C:LEU:CA	1:146:C:LEU:C	1:147:C:PRO:N	1	49.02
(1,2417)	1:146:L:LEU:N	1:146:L:LEU:CA	1:146:L:LEU:C	1:147:L:PRO:N	1	49.01
(1,2418)	1:146:D:LEU:N	1:146:D:LEU:CA	1:146:D:LEU:C	1:147:D:PRO:N	1	48.98
(1,2422)	1:146:F:LEU:N	1:146:F:LEU:CA	1:146:F:LEU:C	1:147:F:PRO:N	1	48.97
(1,2413)	1:146:H:LEU:N	1:146:H:LEU:CA	1:146:H:LEU:C	1:147:H:PRO:N	1	48.97
(1,2423)	1:146:A:LEU:N	1:146:A:LEU:CA	1:146:A:LEU:C	1:147:A:PRO:N	1	48.96
(1,2424)	1:146:B:LEU:N	1:146:B:LEU:CA	1:146:B:LEU:C	1:147:B:PRO:N	1	48.93
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	3	48.78
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	3	48.74
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	3	48.74
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	3	48.74
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	3	48.73
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	3	48.73
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	3	48.72
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	3	48.7
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	3	48.69
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	3	48.69
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	3	48.69
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	3	48.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	10	48.62
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	10	48.61
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	10	48.6
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	10	48.59
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	10	48.58
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	10	48.56
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	10	48.56
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	10	48.56
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	10	48.56
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	10	48.56
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	10	48.56
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	10	48.55
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	10	48.06
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	10	48.05
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	10	48.04
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	10	48.04
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	10	48.0
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	10	48.0
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	10	48.0
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	10	47.99
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	10	47.98
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	10	47.98
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	10	47.97
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	10	47.95
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	10	47.94
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	10	47.93
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	10	47.88
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	10	47.88
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	10	47.87
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	10	47.87
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	10	47.86
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	10	47.86
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	10	47.85
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	10	47.84
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	10	47.83
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	10	47.76
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	8	47.69
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	8	47.68
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	8	47.67
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	8	47.66
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	8	47.65
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	6	47.64
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	8	47.63
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	6	47.63
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	6	47.61
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	8	47.61
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	8	47.61
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	8	47.61
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	8	47.6
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	6	47.6
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	6	47.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	6	47.59
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	8	47.59
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	6	47.59
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	6	47.58
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	6	47.58
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	8	47.57
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	6	47.57
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	6	47.56
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	6	47.54
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	3	47.38
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	3	47.36
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	3	47.36
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	3	47.34
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	3	47.34
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	3	47.34
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	3	47.31
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	3	47.3
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	3	47.3
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	3	47.3
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	3	47.29
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	3	47.29
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	10	47.21
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	8	47.19
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	10	47.18
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	8	47.18
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	5	47.17
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	10	47.17
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	8	47.16
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	8	47.15
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	5	47.14
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	5	47.14
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	10	47.14
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	10	47.14
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	8	47.14
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	8	47.14
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	5	47.13
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	5	47.13
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	5	47.13
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	10	47.13
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	10	47.13
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	8	47.13
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	8	47.13
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	5	47.12
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	4	47.12
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	10	47.12
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	10	47.12
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	8	47.12
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	5	47.11
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	4	47.11
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	4	47.11
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	8	47.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	5	47.1
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	5	47.1
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	4	47.1
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	4	47.1
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	4	47.1
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	10	47.1
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	8	47.1
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	8	47.1
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	4	47.09
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	4	47.09
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	5	47.08
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	5	47.08
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	4	47.08
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	4	47.08
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	10	47.08
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	10	47.06
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	4	47.05
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	4	47.05
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	9	47.0
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	9	46.97
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	9	46.96
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	9	46.94
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	9	46.94
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	9	46.93
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	9	46.93
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	9	46.92
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	9	46.91
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	9	46.91
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	9	46.9
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	9	46.9
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	1	46.87
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	1	46.86
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	1	46.86
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	1	46.84
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	1	46.83
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	1	46.83
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	1	46.82
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	1	46.82
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	1	46.79
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	1	46.78
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	1	46.78
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	1	46.75
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	6	46.69
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	6	46.68
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	6	46.68
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	6	46.65
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	4	46.64
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	6	46.64
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	4	46.63
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	6	46.63
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	6	46.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	6	46.63
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	4	46.62
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	6	46.62
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	6	46.62
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	6	46.6
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	4	46.59
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	4	46.59
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	4	46.59
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	4	46.58
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	4	46.58
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	6	46.58
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	4	46.57
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	4	46.57
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	4	46.56
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	8	46.54
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	4	46.54
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	8	46.53
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	8	46.52
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	8	46.5
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	8	46.49
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	8	46.48
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	8	46.48
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	8	46.47
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	8	46.47
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	8	46.47
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	8	46.46
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	8	46.43
(1,606)	1:45:C:ASP:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	5	46.36
(1,603)	1:45:G:ASP:C	1:46:G:GLU:N	1:46:G:GLU:CA	1:46:G:GLU:C	5	46.36
(1,609)	1:45:E:ASP:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	5	46.33
(1,607)	1:45:D:ASP:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	5	46.33
(1,605)	1:45:F:ASP:C	1:46:F:GLU:N	1:46:F:GLU:CA	1:46:F:GLU:C	5	46.33
(1,611)	1:45:A:ASP:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	5	46.32
(1,604)	1:45:I:ASP:C	1:46:I:GLU:N	1:46:I:GLU:CA	1:46:I:GLU:C	5	46.32
(1,602)	1:45:B:ASP:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	5	46.31
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	9	46.29
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	9	46.29
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	9	46.28
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	9	46.28
(1,612)	1:45:H:ASP:C	1:46:H:GLU:N	1:46:H:GLU:CA	1:46:H:GLU:C	5	46.28
(1,601)	1:45:J:ASP:C	1:46:J:GLU:N	1:46:J:GLU:CA	1:46:J:GLU:C	5	46.28
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	9	46.27
(1,610)	1:45:L:ASP:C	1:46:L:GLU:N	1:46:L:GLU:CA	1:46:L:GLU:C	5	46.27
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	9	46.26
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	9	46.26
(1,608)	1:45:K:ASP:C	1:46:K:GLU:N	1:46:K:GLU:CA	1:46:K:GLU:C	5	46.26
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	9	46.25
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	3	46.24
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	9	46.24
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	9	46.23
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	9	46.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	9	46.23
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	3	46.22
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	3	46.22
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	3	46.21
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	3	46.21
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	3	46.19
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	3	46.19
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	3	46.19
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	3	46.18
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	3	46.18
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	3	46.17
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	3	46.15
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	8	46.0
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	8	45.96
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	8	45.96
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	8	45.94
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	8	45.94
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	8	45.94
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	8	45.93
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	8	45.93
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	8	45.92
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	8	45.92
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	8	45.9
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	8	45.87
(1,2189)	1:133:F:GLN:C	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	7	45.76
(1,2194)	1:133:A:GLN:C	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	7	45.75
(1,2193)	1:133:L:GLN:C	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	7	45.73
(1,2191)	1:133:D:GLN:C	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	7	45.73
(1,2190)	1:133:C:GLN:C	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	7	45.73
(1,2188)	1:133:I:GLN:C	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	7	45.73
(1,2185)	1:133:H:GLN:C	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	7	45.72
(1,2192)	1:133:K:GLN:C	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	7	45.71
(1,2187)	1:133:G:GLN:C	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	7	45.7
(1,2196)	1:133:J:GLN:C	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	7	45.69
(1,2195)	1:133:E:GLN:C	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	7	45.68
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1	45.67
(1,2186)	1:133:B:GLN:C	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	7	45.67
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1	45.66
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1	45.65
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1	45.65
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1	45.65
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1	45.63
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1	45.61
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1	45.61
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1	45.59
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1	45.59
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1	45.56
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1	45.53
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	6	45.27
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	6	45.26
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	6	45.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	6	45.22
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	6	45.22
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	6	45.21
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	6	45.21
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	7	45.21
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	6	45.2
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	6	45.18
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	7	45.18
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	6	45.17
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	6	45.16
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	6	45.16
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	7	45.16
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	7	45.15
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	7	45.15
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	7	45.15
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	7	45.15
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	7	45.15
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	7	45.14
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	7	45.13
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	7	45.13
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	9	45.12
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	7	45.12
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	9	45.11
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	9	45.06
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	9	45.06
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	9	45.06
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	9	45.05
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	9	45.05
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	9	45.04
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	9	45.04
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	9	45.03
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	9	45.01
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	9	45.0
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	7	44.41
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	7	44.41
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	7	44.4
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	7	44.39
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	7	44.36
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	7	44.36
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	7	44.35
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	7	44.35
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	6	44.35
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	7	44.34
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	7	44.34
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	7	44.34
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	6	44.33
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	6	44.33
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	6	44.32
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	6	44.32
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	6	44.32
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	6	44.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	7	44.3
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	6	44.3
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	6	44.28
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	6	44.27
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	6	44.27
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	6	44.24
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	2	44.13
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	2	44.1
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	2	44.1
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	2	44.08
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	2	44.08
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	2	44.07
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	2	44.07
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	2	44.06
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	2	44.05
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	2	44.04
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	8	44.04
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	2	44.02
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	2	44.01
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	8	44.01
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	8	44.0
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	8	44.0
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	8	44.0
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	8	43.99
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	8	43.99
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	8	43.99
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	8	43.99
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	8	43.98
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	8	43.98
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	8	43.97
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	3	43.32
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	3	43.32
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	3	43.31
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	3	43.31
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	5	43.31
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	3	43.3
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	3	43.29
(1,1572)	1:102:H:ASP:C	1:103:H:LYS:N	1:103:H:LYS:CA	1:103:H:LYS:C	10	43.29
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	5	43.28
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	3	43.27
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	3	43.27
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	3	43.27
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	5	43.27
(1,1571)	1:102:J:ASP:C	1:103:J:LYS:N	1:103:J:LYS:CA	1:103:J:LYS:C	10	43.27
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	3	43.26
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	5	43.26
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	5	43.26
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	5	43.26
(1,1566)	1:102:D:ASP:C	1:103:D:LYS:N	1:103:D:LYS:CA	1:103:D:LYS:C	10	43.26
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	5	43.25
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	5	43.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1565)	1:102:I:ASP:C	1:103:I:LYS:N	1:103:I:LYS:CA	1:103:I:LYS:C	10	43.25
(1,1569)	1:102:L:ASP:C	1:103:L:LYS:N	1:103:L:LYS:CA	1:103:L:LYS:C	10	43.24
(1,1563)	1:102:B:ASP:C	1:103:B:LYS:N	1:103:B:LYS:CA	1:103:B:LYS:C	10	43.24
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	3	43.23
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	3	43.23
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	5	43.23
(1,1561)	1:102:F:ASP:C	1:103:F:LYS:N	1:103:F:LYS:CA	1:103:F:LYS:C	10	43.23
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	5	43.22
(1,1567)	1:102:A:ASP:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	10	43.22
(1,1562)	1:102:C:ASP:C	1:103:C:LYS:N	1:103:C:LYS:CA	1:103:C:LYS:C	10	43.22
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	5	43.21
(1,1568)	1:102:K:ASP:C	1:103:K:LYS:N	1:103:K:LYS:CA	1:103:K:LYS:C	10	43.21
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	5	43.2
(1,1564)	1:102:G:ASP:C	1:103:G:LYS:N	1:103:G:LYS:CA	1:103:G:LYS:C	10	43.2
(1,1570)	1:102:E:ASP:C	1:103:E:LYS:N	1:103:E:LYS:CA	1:103:E:LYS:C	10	43.19
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	6	42.91
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	6	42.89
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	6	42.88
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	6	42.88
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	6	42.87
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	6	42.86
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	6	42.86
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	6	42.84
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	6	42.8
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	6	42.78
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	6	42.78
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	6	42.77
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	5	42.6
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	5	42.6
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	5	42.58
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	5	42.56
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	5	42.56
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	5	42.56
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	5	42.56
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	5	42.54
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	5	42.54
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	5	42.54
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	2	42.53
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	5	42.52
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	2	42.52
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	2	42.52
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	2	42.51
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	6	42.51
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	6	42.51
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	5	42.5
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	2	42.5
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	6	42.5
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	2	42.49
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	6	42.49
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	2	42.48
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	2	42.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	6	42.48
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	6	42.48
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	6	42.48
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	2	42.46
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	6	42.46
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	2	42.45
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	2	42.45
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	6	42.45
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	2	42.44
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	6	42.44
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	6	42.41
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	6	42.37
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	8	42.3
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	8	42.29
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	8	42.28
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	8	42.28
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	8	42.24
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	8	42.24
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	8	42.23
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	8	42.21
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	8	42.21
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	8	42.2
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	8	42.19
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	8	42.17
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	1	42.1
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	1	42.09
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	5	42.08
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	1	42.06
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	1	42.05
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	1	42.05
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	5	42.05
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	5	42.05
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	1	42.04
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	1	42.04
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	1	42.04
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	5	42.04
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	5	42.04
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	5	42.04
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	5	42.04
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	1	42.03
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	1	42.03
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	5	42.03
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	5	42.03
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	5	42.03
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	1	42.02
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	5	42.01
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	5	42.01
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	1	41.99
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	4	41.77
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	4	41.76
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	4	41.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	4	41.74
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	4	41.74
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	4	41.72
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	5	41.72
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	4	41.71
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	4	41.7
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	4	41.7
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	4	41.69
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	5	41.69
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	4	41.68
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	4	41.68
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	5	41.68
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	5	41.68
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	5	41.67
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	5	41.67
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	4	41.66
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	5	41.65
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	5	41.65
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	5	41.65
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	4	41.64
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	4	41.64
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	5	41.64
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	5	41.64
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	4	41.63
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	5	41.63
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	4	41.62
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	4	41.62
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	4	41.61
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	4	41.6
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	4	41.59
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	4	41.59
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	4	41.57
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	4	41.57
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	6	41.31
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	2	41.29
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	6	41.29
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	6	41.27
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	6	41.26
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	6	41.25
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	6	41.25
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	6	41.24
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	6	41.24
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	6	41.24
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	6	41.24
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	10	41.24
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	2	41.23
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	2	41.23
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	6	41.23
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	2	41.22
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	10	41.22
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	10	41.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	2	41.19
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	2	41.18
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	2	41.18
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	2	41.18
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	10	41.18
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	10	41.17
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	2	41.16
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	6	41.16
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	10	41.16
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	10	41.15
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	2	41.14
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	10	41.14
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	10	41.14
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	10	41.14
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	10	41.14
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	2	41.13
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	10	41.13
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	2	41.12
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	7	40.45
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	8	40.44
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	8	40.44
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	8	40.44
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	7	40.43
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	7	40.43
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	8	40.43
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	7	40.42
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	7	40.42
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	8	40.41
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	8	40.41
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	7	40.4
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	7	40.4
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	8	40.4
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	8	40.4
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	7	40.39
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	8	40.39
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	7	40.38
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	8	40.38
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	7	40.37
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	8	40.37
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	7	40.35
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	7	40.35
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	8	40.35
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	3	40.33
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	3	40.32
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	3	40.32
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	3	40.31
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	3	40.31
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	3	40.3
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	3	40.3
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	3	40.29
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	3	40.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	3	40.28
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	3	40.27
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	3	40.27
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	4	40.22
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	4	40.22
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	4	40.21
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	4	40.2
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	4	40.19
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	4	40.19
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	4	40.19
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	4	40.19
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	4	40.17
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	4	40.12
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	4	40.12
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	4	40.1
(1,2476)	1:148:B:GLU:C	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	10	40.02
(1,2481)	1:148:E:GLU:C	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	10	39.99
(1,2484)	1:148:D:GLU:C	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	10	39.97
(1,2482)	1:148:A:GLU:C	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	10	39.96
(1,2475)	1:148:L:GLU:C	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	10	39.96
(1,2479)	1:148:H:GLU:C	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	10	39.95
(1,2478)	1:148:I:GLU:C	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	10	39.94
(1,2474)	1:148:F:GLU:C	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	10	39.93
(1,2473)	1:148:C:GLU:C	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	10	39.93
(1,2483)	1:148:K:GLU:C	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	10	39.92
(1,2480)	1:148:J:GLU:C	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	10	39.92
(1,2477)	1:148:G:GLU:C	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	10	39.89
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	10	39.72
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	10	39.69
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	10	39.67
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	10	39.66
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	10	39.65
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	10	39.65
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	10	39.63
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	10	39.63
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	10	39.63
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	10	39.62
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	10	39.61
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	10	39.58
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	9	39.4
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	4	39.34
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	4	39.34
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	4	39.34
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	2	39.34
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	2	39.34
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	9	39.33
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	9	39.33
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	4	39.33
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	2	39.33
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	9	39.32
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	9	39.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	9	39.32
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	2	39.32
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	2	39.32
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	4	39.31
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	2	39.31
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	2	39.31
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	9	39.3
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	9	39.3
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	9	39.3
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	4	39.3
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	4	39.3
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	2	39.3
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	9	39.29
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	4	39.29
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	4	39.29
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	2	39.29
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	9	39.28
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	4	39.28
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	9	39.27
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	4	39.27
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	2	39.27
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	4	39.26
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	2	39.26
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	2	39.25
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	7	39.17
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	7	39.16
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	7	39.16
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	7	39.15
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	7	39.15
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	7	39.14
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	7	39.14
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	7	39.14
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	7	39.14
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	7	39.13
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	7	39.13
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	7	39.1
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	3	39.09
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	3	39.08
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	3	39.08
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	3	39.06
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	3	39.06
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	3	39.04
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	3	39.02
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	3	39.01
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	3	39.0
(1,941)	1:71:D:ARG:C	1:72:D:GLY:N	1:72:D:GLY:CA	1:72:D:GLY:C	10	38.99
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	3	38.98
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	9	38.98
(1,939)	1:71:K:ARG:C	1:72:K:GLY:N	1:72:K:GLY:CA	1:72:K:GLY:C	10	38.98
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	3	38.97
(1,946)	1:71:I:ARG:C	1:72:I:GLY:N	1:72:I:GLY:CA	1:72:I:GLY:C	10	38.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,942)	1:71:C:ARG:C	1:72:C:GLY:N	1:72:C:GLY:CA	1:72:C:GLY:C	10	38.95
(1,940)	1:71:L:ARG:C	1:72:L:GLY:N	1:72:L:GLY:CA	1:72:L:GLY:C	10	38.95
(1,937)	1:71:E:ARG:C	1:72:E:GLY:N	1:72:E:GLY:CA	1:72:E:GLY:C	10	38.95
(1,948)	1:71:J:ARG:C	1:72:J:GLY:N	1:72:J:GLY:CA	1:72:J:GLY:C	10	38.94
(1,943)	1:71:F:ARG:C	1:72:F:GLY:N	1:72:F:GLY:CA	1:72:F:GLY:C	10	38.94
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	9	38.93
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	9	38.93
(1,944)	1:71:B:ARG:C	1:72:B:GLY:N	1:72:B:GLY:CA	1:72:B:GLY:C	10	38.93
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	3	38.92
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	9	38.92
(1,947)	1:71:H:ARG:C	1:72:H:GLY:N	1:72:H:GLY:CA	1:72:H:GLY:C	10	38.92
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	9	38.91
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	9	38.9
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	9	38.9
(1,945)	1:71:G:ARG:C	1:72:G:GLY:N	1:72:G:GLY:CA	1:72:G:GLY:C	10	38.9
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	9	38.89
(1,938)	1:71:A:ARG:C	1:72:A:GLY:N	1:72:A:GLY:CA	1:72:A:GLY:C	10	38.89
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	9	38.88
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	9	38.88
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	9	38.88
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	9	38.85
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	10	38.81
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	10	38.8
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	10	38.77
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	10	38.76
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	10	38.76
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	10	38.76
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	10	38.75
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	10	38.74
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	10	38.74
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	10	38.74
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	10	38.72
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	10	38.72
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	9	38.69
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	9	38.69
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	9	38.67
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	9	38.64
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	9	38.64
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	9	38.64
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	9	38.63
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	9	38.63
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	9	38.63
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	7	38.63
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	9	38.61
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	9	38.61
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	7	38.61
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	7	38.59
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	7	38.59
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	7	38.58
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	7	38.57
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	7	38.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	7	38.57
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	7	38.56
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	7	38.56
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	9	38.54
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	7	38.53
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	7	38.5
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	8	38.43
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	8	38.42
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	8	38.39
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	8	38.38
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	8	38.38
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	8	38.37
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	8	38.36
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	8	38.36
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	8	38.36
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	8	38.36
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	8	38.35
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	8	38.33
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	6	38.02
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	6	38.01
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	6	38.0
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	6	38.0
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	6	37.99
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	6	37.96
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	6	37.96
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	6	37.96
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	6	37.96
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	6	37.95
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	6	37.93
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	6	37.92
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	7	37.83
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	7	37.83
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	7	37.82
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	7	37.81
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	7	37.81
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	7	37.81
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	7	37.8
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	7	37.79
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	7	37.79
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	7	37.74
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	7	37.74
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	7	37.73
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	6	37.71
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	6	37.7
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	6	37.7
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	7	37.69
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	7	37.68
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	7	37.68
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	7	37.68
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	6	37.67
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	7	37.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	7	37.66
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	6	37.66
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	7	37.65
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	6	37.65
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	6	37.65
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	6	37.65
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	7	37.64
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	7	37.64
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	6	37.64
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	7	37.62
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	7	37.62
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	6	37.62
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	6	37.62
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	6	37.61
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	7	37.6
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	3	37.46
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	3	37.45
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	3	37.43
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	3	37.43
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	3	37.42
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	2	37.42
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	2	37.42
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	2	37.42
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	3	37.41
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	3	37.41
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	3	37.41
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	2	37.41
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	3	37.4
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	3	37.4
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	2	37.4
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	2	37.4
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	2	37.4
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	2	37.39
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	3	37.38
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	3	37.38
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	2	37.38
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	2	37.37
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	2	37.36
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	5	37.36
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	2	37.35
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	9	37.34
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	9	37.34
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	9	37.34
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	5	37.33
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	9	37.33
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	5	37.32
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	9	37.32
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	9	37.32
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	9	37.32
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	9	37.32
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	5	37.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	5	37.31
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	5	37.31
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	9	37.31
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	9	37.31
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	5	37.3
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	5	37.3
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	4	37.29
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	5	37.28
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	9	37.28
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	4	37.27
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	5	37.27
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	9	37.27
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	4	37.26
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	5	37.26
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	5	37.25
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	4	37.24
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	4	37.24
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	4	37.22
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	4	37.22
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	1	37.22
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	1	37.22
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	2	37.21
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	2	37.21
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	1	37.21
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	1	37.21
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	1	37.21
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	4	37.2
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	4	37.2
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	2	37.2
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	1	37.2
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	1	37.2
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	4	37.19
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	2	37.19
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	2	37.19
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	1	37.19
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	2	37.18
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	1	37.18
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	1	37.18
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	4	37.17
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	2	37.17
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	2	37.17
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	1	37.17
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	4	37.16
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	2	37.16
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	2	37.16
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	2	37.16
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	1	37.16
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	2	37.15
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	8	37.12
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	8	37.1
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	8	37.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	8	37.09
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	8	37.09
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	8	37.09
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	8	37.08
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	8	37.08
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	8	37.07
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	8	37.07
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	8	37.07
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	8	37.02
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	2	36.93
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	2	36.9
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	2	36.9
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	4	36.89
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	2	36.89
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	2	36.88
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	2	36.88
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	2	36.87
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	2	36.87
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	2	36.87
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	2	36.86
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	2	36.86
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	4	36.85
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	4	36.85
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	4	36.85
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	4	36.85
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	4	36.84
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	4	36.84
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	4	36.84
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	2	36.84
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	4	36.83
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	4	36.82
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	10	36.82
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	10	36.81
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	10	36.8
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	4	36.79
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	10	36.79
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	10	36.78
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	4	36.77
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	10	36.77
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	10	36.77
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	10	36.74
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	10	36.73
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	10	36.72
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	10	36.72
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	10	36.71
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1	36.7
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1	36.69
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1	36.69
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1	36.69
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1	36.68
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1	36.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1	36.67
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1	36.66
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1	36.66
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1	36.65
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1	36.64
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	6	36.64
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1	36.61
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	6	36.61
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	6	36.6
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	6	36.58
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	6	36.57
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	6	36.57
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	6	36.56
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	6	36.56
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	6	36.56
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	6	36.56
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	6	36.56
(1,1849)	1:115:J:SER:C	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	3	36.55
(1,1858)	1:115:F:SER:C	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	3	36.53
(1,1853)	1:115:D:SER:C	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	3	36.53
(1,1851)	1:115:K:SER:C	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	3	36.53
(1,1859)	1:115:I:SER:C	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	3	36.52
(1,1855)	1:115:B:SER:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	3	36.52
(1,1852)	1:115:A:SER:C	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	3	36.51
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	6	36.51
(1,1860)	1:115:H:SER:C	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	3	36.5
(1,1857)	1:115:G:SER:C	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	3	36.49
(1,1856)	1:115:C:SER:C	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	3	36.49
(1,1854)	1:115:L:SER:C	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	3	36.49
(1,1850)	1:115:E:SER:C	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	3	36.47
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	10	36.41
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	10	36.41
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	10	36.4
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	10	36.39
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	10	36.39
(1,1271)	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1:87:C:LYS:N	1	36.36
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	10	36.36
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	10	36.36
(1,1261)	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1:87:D:LYS:N	1	36.35
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	10	36.35
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	10	36.34
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	10	36.34
(1,1272)	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1:87:B:LYS:N	1	36.33
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	10	36.33
(1,1266)	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1:87:E:LYS:N	1	36.31
(1,1269)	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1:87:F:LYS:N	1	36.3
(1,1264)	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1:87:I:LYS:N	1	36.3
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	10	36.3
(1,1270)	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1:87:G:LYS:N	1	36.29
(1,1267)	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1:87:J:LYS:N	1	36.28
(1,1263)	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1:87:K:LYS:N	1	36.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1262)	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1:87:A:LYS:N	1	36.25
(1,1268)	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1:87:H:LYS:N	1	36.24
(1,1265)	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1:87:L:LYS:N	1	36.24
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	10	36.12
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	10	36.1
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	10	36.08
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	10	36.07
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	10	36.07
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	10	36.05
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	10	36.05
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	10	36.04
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	10	36.02
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	10	36.02
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	10	36.01
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	10	36.0
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	9	35.66
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	9	35.65
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	9	35.64
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	9	35.64
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	9	35.64
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	9	35.63
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	9	35.63
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	9	35.61
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	9	35.61
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	4	35.61
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	9	35.59
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	9	35.59
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	4	35.59
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	4	35.58
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	4	35.58
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	4	35.58
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	9	35.57
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	4	35.57
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	4	35.57
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	4	35.56
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	4	35.56
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	4	35.54
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	4	35.54
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	4	35.53
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	3	35.27
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	3	35.27
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	1	35.26
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	3	35.26
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	3	35.26
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	1	35.25
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	1	35.25
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	1	35.25
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	3	35.25
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	3	35.25
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	1	35.23
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	1	35.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	3	35.23
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	1	35.22
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	1	35.22
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	3	35.22
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	1	35.21
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	1	35.21
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	3	35.21
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	3	35.21
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	1	35.2
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	1	35.19
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	3	35.18
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	6	35.17
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	6	35.17
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	6	35.17
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	3	35.16
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	6	35.15
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	6	35.15
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	6	35.15
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	6	35.14
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	6	35.13
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	6	35.13
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	6	35.12
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	6	35.11
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	6	35.1
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	8	35.0
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	8	34.99
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	8	34.96
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	8	34.95
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	8	34.95
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	8	34.94
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	8	34.93
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	8	34.92
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	8	34.91
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	8	34.91
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	8	34.89
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	8	34.89
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	7	34.73
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	7	34.72
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	7	34.71
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	7	34.7
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	7	34.7
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	7	34.69
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	7	34.69
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	7	34.69
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	7	34.68
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	7	34.67
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	7	34.66
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	7	34.61
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	4	34.48
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	3	34.48
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	4	34.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	3	34.47
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	3	34.47
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	3	34.46
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	3	34.46
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	3	34.46
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	4	34.45
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	4	34.45
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	3	34.45
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	3	34.45
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	3	34.45
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	4	34.44
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	4	34.44
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	3	34.44
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	3	34.43
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	4	34.42
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	4	34.42
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	4	34.42
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	4	34.42
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	3	34.41
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	4	34.4
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	8	34.37
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	8	34.36
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	8	34.35
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	4	34.34
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	8	34.32
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	8	34.32
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	8	34.3
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	8	34.29
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	8	34.28
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	8	34.28
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	8	34.28
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	8	34.27
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	8	34.27
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	10	34.21
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	10	34.19
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	10	34.19
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	10	34.17
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	10	34.17
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	10	34.16
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	10	34.15
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	10	34.14
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	10	34.12
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	10	34.11
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	10	34.11
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	10	34.1
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	4	34.08
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	4	34.07
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	4	34.07
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	4	34.06
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	4	34.06
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	4	34.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	4	34.05
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	4	34.04
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	7	34.03
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	4	34.03
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	4	34.03
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	5	34.03
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	4	34.02
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	4	34.02
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	5	34.02
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	7	34.01
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	5	34.0
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	7	33.99
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	7	33.99
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	5	33.99
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	5	33.99
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	7	33.98
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	5	33.98
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	5	33.97
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	7	33.96
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	7	33.96
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	7	33.96
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	5	33.96
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	5	33.96
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	7	33.95
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	5	33.95
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	7	33.92
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	7	33.92
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	5	33.92
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	5	33.92
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	7	33.89
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	10	33.42
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	10	33.41
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	10	33.41
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	10	33.39
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	10	33.38
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	10	33.38
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	10	33.37
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	10	33.37
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	10	33.35
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	10	33.34
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	10	33.33
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	10	33.33
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	10	33.33
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	10	33.31
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	10	33.3
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	10	33.29
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	10	33.29
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	10	33.29
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	10	33.28
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	10	33.28
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	10	33.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	10	33.27
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	10	33.27
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	10	33.26
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	2	33.17
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	2	33.14
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	2	33.14
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	2	33.12
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	2	33.12
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	2	33.11
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	2	33.11
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	2	33.11
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	2	33.09
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	2	33.08
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	2	33.08
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	2	33.05
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	3	33.04
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	3	33.03
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	3	33.02
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	3	33.01
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	3	33.01
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	3	33.0
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	3	33.0
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	3	32.99
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	3	32.99
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	3	32.99
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	3	32.99
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	3	32.96
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	1	32.77
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	1	32.77
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	1	32.76
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	1	32.75
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	1	32.75
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	1	32.74
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	1	32.74
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	1	32.74
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	1	32.73
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	1	32.73
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	1	32.72
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	1	32.65
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	4	32.51
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	4	32.5
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	4	32.5
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	2	32.5
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	4	32.49
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	2	32.49
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	4	32.48
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	4	32.48
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	2	32.47
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	4	32.46
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	2	32.46
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	4	32.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	4	32.45
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	2	32.45
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	2	32.45
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	4	32.42
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	4	32.42
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	4	32.42
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	2	32.42
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	2	32.42
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	2	32.41
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	2	32.41
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	2	32.4
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	2	32.39
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	8	32.3
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	8	32.29
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	8	32.29
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	8	32.28
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	8	32.27
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	8	32.26
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	8	32.26
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	8	32.24
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	8	32.24
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	8	32.24
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	8	32.23
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	3	32.2
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	8	32.19
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	3	32.18
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	3	32.17
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	3	32.17
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	3	32.17
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	3	32.17
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	3	32.16
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	3	32.16
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	3	32.16
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	3	32.15
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	3	32.14
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	3	32.13
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	3	32.08
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	3	32.04
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	3	32.03
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	3	32.03
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	3	32.02
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	3	32.02
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	3	32.01
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	3	32.01
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	3	32.01
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	4	32.01
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	3	31.99
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	4	31.99
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	3	31.99
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	4	31.98
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	3	31.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	4	31.98
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	4	31.97
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	4	31.97
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	4	31.96
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	4	31.96
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	4	31.96
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	4	31.94
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	4	31.93
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	4	31.92
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	5	31.86
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	5	31.85
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	5	31.84
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	5	31.83
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	5	31.82
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	5	31.81
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	5	31.81
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	5	31.81
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	5	31.8
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	5	31.8
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	5	31.79
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	5	31.79
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	8	31.7
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	8	31.69
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	8	31.68
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	8	31.68
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	8	31.67
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	8	31.67
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	8	31.65
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	8	31.65
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	8	31.65
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	7	31.64
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	8	31.64
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	7	31.63
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	7	31.62
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	7	31.6
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	8	31.6
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	7	31.59
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	8	31.59
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	7	31.58
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	7	31.56
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	7	31.54
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	7	31.54
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	7	31.52
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	7	31.51
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	7	31.49
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	7	31.48
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	7	31.47
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	7	31.46
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	7	31.46
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	7	31.45
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	7	31.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	7	31.44
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	9	31.44
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	7	31.43
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	6	31.43
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	6	31.43
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	9	31.43
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	7	31.42
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	7	31.42
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	9	31.42
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	6	31.42
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	6	31.42
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	6	31.42
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	9	31.42
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	7	31.41
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	6	31.41
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	6	31.41
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	9	31.4
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	6	31.4
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	9	31.4
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	9	31.4
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	9	31.39
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	9	31.39
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	9	31.39
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	9	31.39
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	6	31.38
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	7	31.37
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	6	31.37
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	6	31.37
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	9	31.36
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	6	31.35
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	3	31.24
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	8	31.22
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	3	31.21
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	3	31.2
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	3	31.19
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	8	31.18
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	8	31.18
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	8	31.18
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	8	31.18
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	3	31.17
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	8	31.17
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	3	31.16
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	8	31.16
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	3	31.15
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	3	31.15
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	3	31.15
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	3	31.15
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	8	31.15
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	8	31.15
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	3	31.14
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	8	31.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	8	31.13
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	8	31.13
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	3	31.11
(1,599)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:GLU:N	10	31.06
(1,595)	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	1:46:L:GLU:N	10	31.03
(1,600)	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	1:46:A:GLU:N	10	31.02
(1,598)	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	1:46:E:GLU:N	10	31.02
(1,592)	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	1:46:I:GLU:N	10	31.02
(1,590)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:GLU:N	10	31.02
(1,589)	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	1:46:J:GLU:N	10	31.02
(1,597)	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	1:46:F:GLU:N	10	31.01
(1,596)	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	1:46:H:GLU:N	10	31.01
(1,594)	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	1:46:K:GLU:N	10	30.99
(1,591)	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1:46:C:GLU:N	10	30.99
(1,703)	1:53:G:ILE:C	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	10	30.97
(1,593)	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	1:46:G:GLU:N	10	30.97
(1,699)	1:53:A:ILE:C	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	10	30.96
(1,707)	1:53:C:ILE:C	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	10	30.95
(1,705)	1:53:H:ILE:C	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	10	30.95
(1,701)	1:53:F:ILE:C	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	10	30.95
(1,697)	1:53:J:ILE:C	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	10	30.95
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	5	30.93
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	5	30.93
(1,708)	1:53:K:ILE:C	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	10	30.93
(1,706)	1:53:L:ILE:C	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	10	30.93
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	5	30.92
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	5	30.92
(1,700)	1:53:E:ILE:C	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	10	30.92
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	5	30.91
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	5	30.91
(1,704)	1:53:I:ILE:C	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	10	30.91
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	5	30.9
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	5	30.9
(1,698)	1:53:D:ILE:C	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	10	30.9
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	5	30.88
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	5	30.88
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	5	30.87
(1,702)	1:53:B:ILE:C	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	10	30.87
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	5	30.86
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	8	30.77
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	8	30.76
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	8	30.73
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	8	30.73
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	8	30.73
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	8	30.73
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	6	30.73
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	8	30.72
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	6	30.72
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	6	30.72
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	8	30.71
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	6	30.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	6	30.71
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	8	30.7
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	8	30.69
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	1	30.69
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	1	30.69
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	6	30.69
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	6	30.69
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	8	30.68
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	1	30.68
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	1	30.68
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	6	30.68
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	8	30.67
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	1	30.67
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	1	30.67
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	1	30.67
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	6	30.67
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	7	30.66
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	1	30.66
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	1	30.66
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	6	30.66
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	7	30.65
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	1	30.65
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	7	30.64
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	7	30.64
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	6	30.64
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	7	30.63
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	7	30.63
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	1	30.63
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	6	30.63
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	7	30.62
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	1	30.62
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	7	30.61
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	7	30.61
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	7	30.6
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	7	30.6
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	7	30.59
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	6	30.38
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	6	30.35
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	6	30.35
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	6	30.34
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	6	30.33
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	6	30.33
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	6	30.32
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	6	30.31
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	6	30.31
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	6	30.31
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	6	30.3
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	6	30.3
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	8	30.24
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	8	30.23
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	8	30.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	8	30.22
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	8	30.21
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	8	30.21
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	8	30.19
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	8	30.19
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	8	30.19
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	8	30.18
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	8	30.18
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	8	30.18
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	5	30.09
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	5	30.08
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	5	30.07
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	9	30.06
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	5	30.06
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	5	30.06
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	5	30.05
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	5	30.04
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	5	30.04
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	5	30.04
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	9	30.03
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	9	30.02
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	9	30.02
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	9	30.02
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	5	30.02
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	9	30.0
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	5	30.0
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	5	30.0
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	7	29.99
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	9	29.99
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	5	29.98
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	7	29.97
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	7	29.97
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	5	29.97
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	5	29.97
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	7	29.96
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	9	29.96
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	9	29.96
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	9	29.96
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	6	29.96
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	5	29.96
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	7	29.95
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	9	29.95
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	5	29.95
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	7	29.94
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	7	29.94
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	7	29.94
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	7	29.94
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	9	29.94
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	6	29.94
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	5	29.94
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	7	29.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	6	29.93
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	6	29.93
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	6	29.93
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	7	29.92
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	5	29.92
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	6	29.91
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	6	29.91
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	6	29.91
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	6	29.91
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	5	29.91
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	7	29.9
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	6	29.9
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	5	29.9
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	5	29.9
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	5	29.9
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	5	29.89
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	6	29.86
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	6	29.84
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	3	29.81
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	3	29.78
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	1	29.76
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	3	29.76
(1,589)	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	1:46:J:GLU:N	8	29.76
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	1	29.75
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	3	29.75
(1,596)	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	1:46:H:GLU:N	8	29.75
(1,595)	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	1:46:L:GLU:N	8	29.75
(1,591)	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1:46:C:GLU:N	8	29.75
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	10	29.75
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	1	29.74
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	1	29.74
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	3	29.74
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	3	29.74
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	3	29.74
(1,600)	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	1:46:A:GLU:N	8	29.74
(1,598)	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	1:46:E:GLU:N	8	29.74
(1,597)	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	1:46:F:GLU:N	8	29.74
(1,594)	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	1:46:K:GLU:N	8	29.74
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	1	29.73
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	1	29.73
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	1	29.73
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	1	29.73
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	1	29.73
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	1	29.73
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	3	29.73
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	3	29.73
(1,599)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:GLU:N	8	29.73
(1,593)	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	1:46:G:GLU:N	8	29.73
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	10	29.73
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	1	29.72
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	3	29.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,590)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:GLU:N	8	29.71
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	10	29.71
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	10	29.71
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	3	29.7
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	3	29.7
(1,592)	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	1:46:I:GLU:N	8	29.69
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	10	29.69
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	10	29.68
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	1	29.67
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	10	29.67
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	10	29.67
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	10	29.66
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	10	29.66
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	10	29.65
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	10	29.63
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	4	29.55
(1,1979)	1:122:B:VAL:C	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	6	29.5
(1,1970)	1:122:D:VAL:C	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	6	29.49
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	4	29.48
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	4	29.48
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	4	29.48
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	4	29.48
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	4	29.47
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	4	29.47
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	4	29.46
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	4	29.46
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	4	29.45
(1,1977)	1:122:F:VAL:C	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	6	29.44
(1,1972)	1:122:K:VAL:C	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	6	29.44
(1,1975)	1:122:J:VAL:C	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	6	29.43
(1,1974)	1:122:E:VAL:C	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	6	29.43
(1,1973)	1:122:L:VAL:C	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	6	29.43
(1,1971)	1:122:A:VAL:C	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	6	29.43
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	4	29.43
(1,1978)	1:122:C:VAL:C	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	6	29.42
(1,1969)	1:122:G:VAL:C	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	6	29.42
(1,1980)	1:122:I:VAL:C	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	6	29.41
(1,1976)	1:122:H:VAL:C	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	6	29.41
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	4	29.38
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1	29.36
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	7	29.34
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	7	29.33
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	7	29.32
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	7	29.32
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	7	29.32
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1	29.32
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1	29.32
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	7	29.31
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	7	29.3
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	7	29.3
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	7	29.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1	29.29
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	7	29.28
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	7	29.28
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	7	29.28
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1	29.27
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1	29.25
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1	29.25
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1	29.24
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1	29.24
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1	29.22
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1	29.22
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1	29.21
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	7	29.17
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	7	29.13
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	7	29.13
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	7	29.12
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	7	29.11
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	7	29.11
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	7	29.11
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	7	29.1
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	7	29.08
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	7	29.08
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	7	29.08
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	7	29.06
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	2	29.04
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	2	29.03
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	2	29.02
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	2	28.99
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	2	28.99
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	2	28.98
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	2	28.97
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	2	28.97
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	2	28.97
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	2	28.96
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	2	28.95
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	2	28.95
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	10	28.83
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	1	28.82
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	10	28.81
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	10	28.8
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	10	28.8
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	10	28.79
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	8	28.79
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	10	28.79
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	10	28.78
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	10	28.78
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	10	28.77
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	10	28.77
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	8	28.77
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	1	28.77
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	8	28.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	10	28.76
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	10	28.76
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	4	28.76
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	8	28.75
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	8	28.75
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	1	28.75
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	1	28.75
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	1	28.75
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	4	28.75
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	4	28.75
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	1	28.75
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	8	28.74
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	1	28.74
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	1	28.74
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	1	28.74
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	1	28.74
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	8	28.73
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	1	28.73
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	4	28.73
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	2	28.73
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	9	28.73
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	8	28.72
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	8	28.72
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	8	28.72
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	2	28.72
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	1	28.72
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	1	28.71
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	1	28.71
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	4	28.71
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	2	28.71
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	9	28.71
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	9	28.71
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	9	28.71
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	1	28.71
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	1	28.71
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	8	28.7
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	4	28.7
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	4	28.7
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	2	28.7
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	9	28.7
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	2	28.7
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	9	28.7
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	2	28.7
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	2	28.7
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	2	28.7
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	2	28.7
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	1	28.7
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	9	28.7
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	1	28.69
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	4	28.69
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	9	28.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	9	28.69
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	9	28.69
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	8	28.68
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	4	28.68
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	4	28.68
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	2	28.68
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	2	28.68
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	1	28.68
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	1	28.68
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	1	28.68
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	9	28.68
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	4	28.67
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	9	28.67
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	9	28.67
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	9	28.67
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	2	28.67
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	1	28.67
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	4	28.66
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	9	28.66
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	9	28.65
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	1	28.65
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	9	28.65
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	1	28.62
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	9	28.62
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	10	28.6
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	10	28.6
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	10	28.59
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	10	28.59
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	10	28.59
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	9	28.59
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	9	28.59
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	10	28.58
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	10	28.58
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	10	28.58
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	9	28.58
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	9	28.58
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	10	28.57
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	9	28.57
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	10	28.54
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	9	28.54
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	5	28.53
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	5	28.53
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	10	28.53
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	5	28.52
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	10	28.52
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	10	28.51
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	10	28.51
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	10	28.51
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	5	28.5
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	10	28.5
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	10	28.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	5	28.49
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	10	28.49
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	10	28.49
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	5	28.48
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	5	28.48
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	5	28.48
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	10	28.48
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	5	28.47
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	10	28.47
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	10	28.47
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	5	28.46
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	5	28.45
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	5	28.45
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	10	28.45
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	10	28.44
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1	28.42
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1	28.36
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1	28.36
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1	28.36
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1	28.35
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1	28.34
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1	28.34
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1	28.34
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1	28.34
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1	28.34
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1	28.31
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1	28.3
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	10	28.23
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	10	28.22
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	1	28.21
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	10	28.21
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	1	28.2
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	10	28.2
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	1	28.19
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	10	28.19
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	1	28.18
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	1	28.18
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	1	28.18
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	1	28.18
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	10	28.17
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	10	28.17
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	1	28.16
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	10	28.16
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	10	28.16
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	10	28.15
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	10	28.15
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	1	28.14
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	1	28.14
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	10	28.14
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	1	28.13
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	1	28.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	7	28.03
(1,2021)	1:126:I:VAL:C	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	10	28.01
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	7	27.99
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	7	27.99
(1,2019)	1:126:B:VAL:C	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	10	27.99
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	7	27.98
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	7	27.98
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	7	27.98
(1,2025)	1:126:A:VAL:C	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	10	27.98
(1,2017)	1:126:F:VAL:C	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	10	27.98
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	7	27.97
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	7	27.97
(1,2027)	1:126:H:VAL:C	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	10	27.97
(1,2020)	1:126:G:VAL:C	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	10	27.97
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	7	27.96
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	7	27.96
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	7	27.95
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	7	27.94
(1,2026)	1:126:K:VAL:C	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	10	27.94
(1,2024)	1:126:E:VAL:C	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	10	27.94
(1,2023)	1:126:D:VAL:C	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	10	27.94
(1,2018)	1:126:C:VAL:C	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	10	27.94
(1,2022)	1:126:L:VAL:C	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	10	27.92
(1,2028)	1:126:J:VAL:C	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	10	27.9
(1,2651)	1:158:H:TYR:C	1:159:H:ASP:N	1:159:H:ASP:CA	1:159:H:ASP:C	6	27.87
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	5	27.86
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	5	27.85
(1,2647)	1:158:F:TYR:C	1:159:F:ASP:N	1:159:F:ASP:CA	1:159:F:ASP:C	6	27.84
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	5	27.84
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	5	27.84
(1,2646)	1:158:C:TYR:C	1:159:C:ASP:N	1:159:C:ASP:CA	1:159:C:ASP:C	6	27.83
(1,2023)	1:126:D:VAL:C	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	8	27.83
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	5	27.83
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	5	27.83
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	5	27.82
(1,2650)	1:158:I:TYR:C	1:159:I:ASP:N	1:159:I:ASP:CA	1:159:I:ASP:C	6	27.81
(1,2644)	1:158:L:TYR:C	1:159:L:ASP:N	1:159:L:ASP:CA	1:159:L:ASP:C	6	27.81
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	5	27.81
(1,2652)	1:158:J:TYR:C	1:159:J:ASP:N	1:159:J:ASP:CA	1:159:J:ASP:C	6	27.8
(1,2649)	1:158:G:TYR:C	1:159:G:ASP:N	1:159:G:ASP:CA	1:159:G:ASP:C	6	27.8
(1,2648)	1:158:B:TYR:C	1:159:B:ASP:N	1:159:B:ASP:CA	1:159:B:ASP:C	6	27.8
(1,2645)	1:158:D:TYR:C	1:159:D:ASP:N	1:159:D:ASP:CA	1:159:D:ASP:C	6	27.8
(1,2641)	1:158:E:TYR:C	1:159:E:ASP:N	1:159:E:ASP:CA	1:159:E:ASP:C	6	27.8
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	5	27.8
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	5	27.8
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	5	27.8
(1,2026)	1:126:K:VAL:C	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	8	27.79
(1,2024)	1:126:E:VAL:C	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	8	27.79
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	5	27.79
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	3	27.79
(1,2027)	1:126:H:VAL:C	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	8	27.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2025)	1:126:A:VAL:C	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	8	27.78
(1,2020)	1:126:G:VAL:C	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	8	27.78
(1,2018)	1:126:C:VAL:C	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	8	27.78
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	3	27.78
(1,2643)	1:158:K:TYR:C	1:159:K:ASP:N	1:159:K:ASP:CA	1:159:K:ASP:C	6	27.77
(1,2642)	1:158:A:TYR:C	1:159:A:ASP:N	1:159:A:ASP:CA	1:159:A:ASP:C	6	27.77
(1,2028)	1:126:J:VAL:C	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	8	27.75
(1,2017)	1:126:F:VAL:C	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	8	27.73
(1,2021)	1:126:I:VAL:C	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	8	27.72
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	3	27.72
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	3	27.72
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	3	27.72
(1,2019)	1:126:B:VAL:C	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	8	27.71
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	3	27.71
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	3	27.71
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	3	27.71
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	3	27.71
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	9	27.71
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	7	27.7
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	3	27.7
(1,2022)	1:126:L:VAL:C	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	8	27.69
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	3	27.68
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	9	27.68
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	7	27.67
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	3	27.67
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	9	27.67
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	7	27.65
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	9	27.65
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	7	27.64
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	9	27.64
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	9	27.64
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	7	27.63
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	9	27.63
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	7	27.62
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	7	27.61
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	7	27.61
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	7	27.61
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	9	27.61
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	9	27.61
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	9	27.61
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	7	27.59
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	7	27.59
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	9	27.59
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	7	27.57
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	9	27.54
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	4	27.53
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	4	27.51
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	4	27.49
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	4	27.48
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	4	27.48
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	4	27.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	4	27.47
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	4	27.46
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	4	27.46
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	4	27.45
(1,699)	1:53:A:ILE:C	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	8	27.45
(1,703)	1:53:G:ILE:C	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	8	27.44
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	8	27.42
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	4	27.42
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	4	27.42
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	8	27.41
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	8	27.41
(1,707)	1:53:C:ILE:C	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	8	27.41
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	8	27.4
(1,702)	1:53:B:ILE:C	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	8	27.4
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	8	27.39
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	8	27.39
(1,704)	1:53:I:ILE:C	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	8	27.38
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	8	27.37
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	8	27.37
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	8	27.37
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	6	27.37
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	6	27.37
(1,708)	1:53:K:ILE:C	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	8	27.37
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	8	27.36
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	8	27.36
(1,700)	1:53:E:ILE:C	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	8	27.36
(1,706)	1:53:L:ILE:C	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	8	27.35
(1,701)	1:53:F:ILE:C	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	8	27.35
(1,698)	1:53:D:ILE:C	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	8	27.35
(1,697)	1:53:J:ILE:C	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	8	27.35
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	8	27.34
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	6	27.34
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	6	27.34
(1,705)	1:53:H:ILE:C	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	8	27.34
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	6	27.33
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	6	27.33
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	6	27.31
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	6	27.31
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	6	27.31
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	6	27.29
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	6	27.29
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	6	27.28
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	8	27.22
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	8	27.2
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	8	27.18
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	8	27.17
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	8	27.17
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	8	27.16
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	8	27.16
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	8	27.15
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	8	27.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	8	27.14
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	8	27.14
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	8	27.13
(1,33)	1:6:H:ILE:C	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	6	27.07
(1,26)	1:6:E:ILE:C	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	6	27.05
(1,27)	1:6:J:ILE:C	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	6	27.04
(1,34)	1:6:I:ILE:C	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	6	27.03
(1,29)	1:6:K:ILE:C	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	6	27.03
(1,25)	1:6:F:ILE:C	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	6	27.03
(1,36)	1:6:A:ILE:C	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	6	27.01
(1,35)	1:6:B:ILE:C	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	6	27.01
(1,32)	1:6:G:ILE:C	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	6	27.01
(1,31)	1:6:C:ILE:C	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	6	27.01
(1,30)	1:6:L:ILE:C	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	6	27.0
(1,28)	1:6:D:ILE:C	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	6	27.0
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	8	26.8
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	8	26.79
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	8	26.76
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	8	26.75
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	8	26.75
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	8	26.75
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	8	26.74
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	8	26.74
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	8	26.74
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	8	26.73
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1	26.72
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	8	26.72
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1	26.71
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	8	26.71
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1	26.7
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1	26.68
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	1	26.68
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1	26.67
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1	26.67
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1	26.67
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1	26.67
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1	26.65
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	1	26.64
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	1	26.64
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	1	26.64
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1	26.63
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1	26.63
(1,698)	1:53:D:ILE:C	1:54:D:LEU:N	1:54:D:LEU:CA	1:54:D:LEU:C	6	26.63
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	1	26.63
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	1	26.63
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	2	26.62
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1	26.62
(1,700)	1:53:E:ILE:C	1:54:E:LEU:N	1:54:E:LEU:CA	1:54:E:LEU:C	6	26.62
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	1	26.62
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	1	26.62
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	2	26.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,697)	1:53:J:ILE:C	1:54:J:LEU:N	1:54:J:LEU:CA	1:54:J:LEU:C	6	26.61
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	1	26.61
(1,704)	1:53:I:ILE:C	1:54:I:LEU:N	1:54:I:LEU:CA	1:54:I:LEU:C	6	26.6
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	1	26.6
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	2	26.59
(1,701)	1:53:F:ILE:C	1:54:F:LEU:N	1:54:F:LEU:CA	1:54:F:LEU:C	6	26.59
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	9	26.59
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	1	26.59
(1,707)	1:53:C:ILE:C	1:54:C:LEU:N	1:54:C:LEU:CA	1:54:C:LEU:C	6	26.58
(1,702)	1:53:B:ILE:C	1:54:B:LEU:N	1:54:B:LEU:CA	1:54:B:LEU:C	6	26.58
(1,699)	1:53:A:ILE:C	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	6	26.58
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	9	26.58
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	1	26.58
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	2	26.57
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	2	26.57
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	2	26.57
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	9	26.57
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	9	26.57
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	2	26.56
(1,706)	1:53:L:ILE:C	1:54:L:LEU:N	1:54:L:LEU:CA	1:54:L:LEU:C	6	26.56
(1,705)	1:53:H:ILE:C	1:54:H:LEU:N	1:54:H:LEU:CA	1:54:H:LEU:C	6	26.56
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	9	26.56
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	2	26.55
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	2	26.55
(1,708)	1:53:K:ILE:C	1:54:K:LEU:N	1:54:K:LEU:CA	1:54:K:LEU:C	6	26.55
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	9	26.55
(1,703)	1:53:G:ILE:C	1:54:G:LEU:N	1:54:G:LEU:CA	1:54:G:LEU:C	6	26.54
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	9	26.54
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	9	26.54
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	2	26.53
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	2	26.53
(1,1970)	1:122:D:VAL:C	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	8	26.53
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	9	26.52
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	9	26.52
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	2	26.51
(1,1977)	1:122:F:VAL:C	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	8	26.51
(1,1980)	1:122:I:VAL:C	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	8	26.49
(1,1969)	1:122:G:VAL:C	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	8	26.49
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	9	26.49
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	9	26.49
(1,1975)	1:122:J:VAL:C	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	8	26.46
(1,1974)	1:122:E:VAL:C	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	8	26.46
(1,1971)	1:122:A:VAL:C	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	8	26.46
(1,1978)	1:122:C:VAL:C	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	8	26.45
(1,1976)	1:122:H:VAL:C	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	8	26.45
(1,1972)	1:122:K:VAL:C	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	8	26.45
(1,1979)	1:122:B:VAL:C	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	8	26.44
(1,1973)	1:122:L:VAL:C	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	8	26.43
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	5	26.27
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	5	26.27
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	5	26.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	3	26.25
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	3	26.25
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	3	26.25
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	5	26.24
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	5	26.24
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	5	26.23
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	5	26.22
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	3	26.22
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	3	26.22
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	3	26.21
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	5	26.2
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	5	26.2
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	5	26.2
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	3	26.2
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	3	26.2
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	3	26.2
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	5	26.19
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	3	26.19
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	5	26.18
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	3	26.18
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	3	26.16
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	6	26.02
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	6	26.0
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	6	26.0
(1,33)	1:6:H:ILE:C	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	10	26.0
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	6	25.99
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	6	25.99
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	6	25.98
(1,31)	1:6:C:ILE:C	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	10	25.98
(1,26)	1:6:E:ILE:C	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	10	25.98
(1,35)	1:6:B:ILE:C	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	10	25.97
(1,34)	1:6:I:ILE:C	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	10	25.97
(1,27)	1:6:J:ILE:C	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	10	25.97
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	6	25.96
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	6	25.96
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	6	25.96
(1,32)	1:6:G:ILE:C	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	10	25.96
(1,29)	1:6:K:ILE:C	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	10	25.96
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	6	25.95
(1,25)	1:6:F:ILE:C	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	10	25.95
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	6	25.94
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	6	25.94
(1,28)	1:6:D:ILE:C	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	10	25.94
(1,870)	1:66:G:THR:C	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	7	25.93
(1,876)	1:66:K:THR:C	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	7	25.92
(1,30)	1:6:L:ILE:C	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	10	25.92
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	3	25.91
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	3	25.91
(1,874)	1:66:H:THR:C	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	7	25.91
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	9	25.91
(1,873)	1:66:A:THR:C	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	7	25.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,869)	1:66:E:THR:C	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	7	25.9
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	9	25.9
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	3	25.89
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	3	25.89
(1,871)	1:66:F:THR:C	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	7	25.89
(1,866)	1:66:L:THR:C	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	7	25.89
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	9	25.89
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	3	25.88
(1,868)	1:66:B:THR:C	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	7	25.88
(1,865)	1:66:D:THR:C	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	7	25.88
(1,36)	1:6:A:ILE:C	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	10	25.88
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	3	25.87
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	3	25.87
(1,875)	1:66:C:THR:C	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	7	25.87
(1,867)	1:66:J:THR:C	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	7	25.87
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	9	25.87
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	9	25.87
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	9	25.87
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	9	25.86
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	9	25.86
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	3	25.85
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	3	25.85
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	3	25.85
(1,872)	1:66:I:THR:C	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	7	25.85
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	9	25.85
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	9	25.85
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	9	25.84
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	3	25.83
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	9	25.83
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	3	25.82
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	3	25.82
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	3	25.81
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	3	25.81
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	3	25.81
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	3	25.8
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	3	25.79
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	3	25.79
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	3	25.79
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	3	25.77
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	3	25.77
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	1	25.74
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	1	25.73
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	3	25.73
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	1	25.72
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	1	25.71
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	1	25.69
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	3	25.69
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	1	25.68
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	1	25.68
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	1	25.68
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	1	25.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	4	25.66
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	1	25.65
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1	25.65
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	4	25.64
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1	25.64
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	1	25.63
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	4	25.63
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1	25.63
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	1	25.62
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1	25.62
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1	25.62
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	4	25.61
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	4	25.61
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1	25.61
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1	25.6
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1	25.6
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	4	25.59
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	4	25.59
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1	25.58
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	4	25.57
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	4	25.57
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1	25.57
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1	25.56
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1	25.56
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	4	25.54
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	4	25.54
(1,2726)	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	1:165:D:GLN:N	4	25.52
(1,2732)	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	1:165:I:GLN:N	4	25.51
(1,2725)	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	1:165:J:GLN:N	4	25.51
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	4	25.51
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	3	25.51
(1,2727)	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	1:165:A:GLN:N	4	25.5
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	3	25.5
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	3	25.5
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	3	25.5
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	3	25.5
(1,2729)	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	1:165:F:GLN:N	4	25.49
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	3	25.49
(1,2728)	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	1:165:E:GLN:N	4	25.48
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	3	25.48
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	3	25.48
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	3	25.46
(1,2736)	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	1:165:K:GLN:N	4	25.45
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	3	25.45
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	3	25.45
(1,2733)	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	1:165:H:GLN:N	4	25.43
(1,2731)	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	1:165:G:GLN:N	4	25.43
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	3	25.43
(1,2735)	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	1:165:C:GLN:N	4	25.42
(1,2734)	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	1:165:L:GLN:N	4	25.42
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	3	25.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2730)	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	1:165:B:GLN:N	4	25.41
(1,1388)	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1:92:G:TRP:N	6	25.41
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	3	25.4
(1,1386)	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1:92:H:TRP:N	6	25.4
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	3	25.39
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	3	25.39
(1,1387)	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1:92:B:TRP:N	6	25.39
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	3	25.39
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	3	25.38
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	3	25.38
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	3	25.37
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	3	25.37
(1,1392)	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1:92:D:TRP:N	6	25.37
(1,1389)	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1:92:I:TRP:N	6	25.37
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	3	25.36
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	3	25.36
(1,1383)	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1:92:A:TRP:N	6	25.36
(1,1382)	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1:92:L:TRP:N	6	25.36
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	3	25.35
(1,1391)	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1:92:C:TRP:N	6	25.35
(1,1390)	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1:92:F:TRP:N	6	25.35
(1,1385)	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1:92:J:TRP:N	6	25.35
(1,1384)	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1:92:E:TRP:N	6	25.35
(1,1381)	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1:92:K:TRP:N	6	25.34
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	6	25.29
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	6	25.28
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	6	25.28
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	6	25.27
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	6	25.27
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	6	25.27
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	6	25.25
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	4	25.24
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	6	25.24
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	4	25.23
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	4	25.22
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	4	25.22
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	6	25.22
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	4	25.21
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	4	25.2
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	4	25.2
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	6	25.2
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	4	25.19
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	6	25.19
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	4	25.18
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	4	25.18
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	4	25.18
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	4	25.17
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	6	25.17
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	6	25.11
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	6	25.1
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	6	25.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	6	25.08
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	6	25.08
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	6	25.06
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	6	25.06
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	6	25.05
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	6	25.04
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	6	25.03
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	6	25.01
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	6	25.01
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	5	24.91
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	5	24.9
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	5	24.9
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	5	24.9
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	5	24.89
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	5	24.89
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	5	24.88
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	5	24.88
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	5	24.88
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	5	24.88
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	5	24.88
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	4	24.87
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	4	24.86
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	8	24.85
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	4	24.85
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	8	24.84
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	4	24.84
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	5	24.84
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	8	24.83
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	4	24.83
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	4	24.83
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	8	24.82
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	8	24.82
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	4	24.82
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	4	24.82
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	2	24.82
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	8	24.81
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	8	24.81
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	4	24.81
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	2	24.81
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	4	24.8
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	4	24.8
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	2	24.8
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	8	24.79
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	8	24.79
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	2	24.79
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	2	24.79
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	2	24.78
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	2	24.78
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	2	24.78
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	2	24.78
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	8	24.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	8	24.77
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	4	24.76
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	2	24.76
(1,2020)	1:126:G:VAL:C	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	6	24.75
(1,2017)	1:126:F:VAL:C	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	6	24.75
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	2	24.75
(1,2028)	1:126:J:VAL:C	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	6	24.73
(1,2019)	1:126:B:VAL:C	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	6	24.73
(1,2018)	1:126:C:VAL:C	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	6	24.73
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	8	24.72
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	2	24.72
(1,2026)	1:126:K:VAL:C	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	6	24.7
(1,2023)	1:126:D:VAL:C	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	6	24.69
(1,2022)	1:126:L:VAL:C	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	6	24.69
(1,2021)	1:126:I:VAL:C	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	6	24.69
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	8	24.69
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	8	24.69
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	8	24.69
(1,2024)	1:126:E:VAL:C	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	6	24.68
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	8	24.68
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	8	24.68
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	8	24.67
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	8	24.67
(1,2025)	1:126:A:VAL:C	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	6	24.65
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	8	24.65
(1,594)	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	1:46:K:GLU:N	6	24.65
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	6	24.65
(1,2027)	1:126:H:VAL:C	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	6	24.64
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	8	24.64
(1,593)	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	1:46:G:GLU:N	6	24.64
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	8	24.64
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	8	24.64
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	8	24.63
(1,590)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:GLU:N	6	24.63
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	8	24.63
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	8	24.63
(1,589)	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	1:46:J:GLU:N	6	24.62
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	6	24.62
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	8	24.62
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	8	24.62
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	8	24.62
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	8	24.61
(1,597)	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	1:46:F:GLU:N	6	24.61
(1,596)	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	1:46:H:GLU:N	6	24.61
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	6	24.61
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	8	24.61
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	8	24.6
(1,599)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:GLU:N	6	24.6
(1,598)	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	1:46:E:GLU:N	6	24.6
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	6	24.6
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	8	24.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	6	24.59
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	6	24.59
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	8	24.59
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	10	24.58
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	8	24.58
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	8	24.58
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	10	24.58
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	5	24.57
(1,595)	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	1:46:L:GLU:N	6	24.57
(1,592)	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	1:46:I:GLU:N	6	24.57
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	6	24.57
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	6	24.57
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	6	24.57
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	10	24.57
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	10	24.57
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	10	24.57
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	5	24.56
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	5	24.56
(1,600)	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	1:46:A:GLU:N	6	24.56
(1,591)	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1:46:C:GLU:N	6	24.56
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	6	24.56
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	10	24.56
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	10	24.56
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	5	24.55
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	5	24.55
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	1	24.55
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	6	24.55
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	10	24.55
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	10	24.54
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	10	24.54
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	5	24.53
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	6	24.53
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	5	24.52
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	5	24.52
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	5	24.51
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	5	24.51
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	1	24.51
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	5	24.5
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	1	24.5
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	1	24.5
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	1	24.5
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	1	24.5
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	1	24.5
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	1	24.5
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	1	24.5
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	1	24.5
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	1	24.5
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	1	24.49
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	10	24.49
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	1	24.48
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	1	24.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	1	24.47
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	1	24.47
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	1	24.47
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	1	24.46
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	1	24.46
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	1	24.46
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	10	24.46
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	5	24.45
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	1	24.45
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	1	24.45
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	1	24.44
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	1	24.43
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	2	24.4
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	2	24.35
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	2	24.33
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	2	24.32
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	2	24.31
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	2	24.3
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	2	24.29
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	2	24.28
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	2	24.27
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	2	24.26
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	2	24.26
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	2	24.25
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	9	24.21
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	9	24.17
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	9	24.13
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	9	24.12
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	9	24.12
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	9	24.11
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	9	24.11
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	9	24.1
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	9	24.09
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	9	24.08
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	9	24.07
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	2	24.07
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	9	24.06
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	9	24.05
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	2	24.05
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	9	24.04
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	2	24.04
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	2	24.04
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	9	24.03
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	2	24.03
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	2	24.03
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	2	24.02
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	9	24.01
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	2	24.01
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	9	24.0
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	2	24.0
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	2	24.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	2	24.0
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	9	23.98
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	9	23.98
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1	23.97
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	9	23.97
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	9	23.97
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	9	23.97
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	9	23.97
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	9	23.96
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	2	23.95
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1	23.93
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1	23.92
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1	23.92
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1	23.9
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1	23.9
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1	23.9
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1	23.89
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1	23.88
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1	23.87
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	6	23.87
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	6	23.87
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	2	23.86
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	2	23.86
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	6	23.86
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1	23.85
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	2	23.85
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	6	23.85
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	6	23.85
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1	23.84
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	2	23.84
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	6	23.84
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	2	23.83
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	8	23.83
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	6	23.83
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	6	23.83
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	2	23.82
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	6	23.82
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	6	23.82
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	2	23.81
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	2	23.81
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	2	23.81
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	3	23.81
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	2	23.8
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	2	23.8
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	6	23.8
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	6	23.8
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	8	23.79
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	8	23.78
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	3	23.78
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	3	23.78
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	3	23.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	2	23.77
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	8	23.76
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	3	23.76
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	3	23.76
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	8	23.75
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	8	23.75
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	3	23.75
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	8	23.74
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	8	23.74
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	3	23.74
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	3	23.72
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	3	23.71
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	2	23.7
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	8	23.7
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	3	23.7
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	3	23.7
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	8	23.69
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	8	23.69
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	8	23.69
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	2	23.66
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	2	23.65
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	2	23.64
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	2	23.63
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	3	23.63
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	3	23.63
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	2	23.63
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	2	23.62
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	3	23.62
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	2	23.62
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	2	23.62
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	2	23.62
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	2	23.62
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	3	23.61
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	3	23.61
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	2	23.61
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	2	23.61
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	2	23.6
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	3	23.6
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	2	23.6
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	2	23.59
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	3	23.59
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	2	23.58
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	2	23.58
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	2	23.58
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	2	23.57
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	2	23.57
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	2	23.57
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	2	23.57
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	3	23.57
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	3	23.57
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	3	23.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	2	23.56
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	3	23.56
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	3	23.55
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	8	23.55
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	8	23.55
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	8	23.53
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	8	23.52
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	8	23.51
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	8	23.51
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	8	23.51
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	5	23.5
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	8	23.5
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	8	23.5
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	8	23.5
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	8	23.49
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	5	23.48
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	5	23.48
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	5	23.47
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	8	23.47
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	5	23.47
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	5	23.45
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	5	23.45
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	5	23.45
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	5	23.45
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	6	23.44
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	5	23.44
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	5	23.44
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	5	23.43
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	5	23.43
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	5	23.42
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	5	23.42
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	5	23.42
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	5	23.41
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	5	23.41
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	6	23.41
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	5	23.41
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	5	23.41
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	6	23.4
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	5	23.4
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	5	23.4
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	5	23.4
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	6	23.39
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	6	23.39
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	6	23.38
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	6	23.38
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	5	23.38
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	6	23.37
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	6	23.36
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	6	23.36
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	6	23.34
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	5	23.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	6	23.33
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	5	23.32
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	5	23.29
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	5	23.28
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	2	23.27
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	2	23.27
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	2	23.27
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	2	23.26
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	2	23.26
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	2	23.25
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	2	23.25
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	5	23.24
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	5	23.24
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	5	23.24
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	2	23.24
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	2	23.23
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	5	23.22
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	2	23.22
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	2	23.22
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	5	23.21
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	5	23.21
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	2	23.2
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	5	23.19
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	5	23.18
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	5	23.17
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	5	23.17
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	5	23.17
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	5	23.17
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	5	23.15
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	5	23.15
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	5	23.15
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	5	23.15
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	5	23.14
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	5	23.14
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	7	23.13
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	5	23.12
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	5	23.12
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	7	23.11
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	7	23.1
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	7	23.1
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	7	23.09
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	3	23.09
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	3	23.08
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	7	23.07
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	3	23.07
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	3	23.07
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	7	23.06
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	3	23.06
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	7	23.04
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	7	23.04
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	7	23.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	3	23.04
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	3	23.04
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	3	23.04
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	7	23.03
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	7	23.03
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	3	23.03
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	3	23.01
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	3	23.01
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	3	23.0
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	7	22.96
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	7	22.95
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	7	22.93
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	7	22.92
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	7	22.91
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	7	22.91
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	7	22.9
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	7	22.89
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	7	22.89
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	7	22.87
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	7	22.86
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	7	22.86
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	4	22.84
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	5	22.83
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	5	22.83
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	5	22.83
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	4	22.82
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	4	22.82
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	4	22.81
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	4	22.81
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	5	22.8
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	4	22.8
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	5	22.79
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	5	22.79
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	5	22.79
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	4	22.79
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	4	22.79
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	5	22.78
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	5	22.78
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	4	22.78
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	4	22.78
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	5	22.77
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	5	22.77
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	5	22.77
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	4	22.77
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	4	22.77
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	5	22.76
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	5	22.76
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	5	22.76
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	5	22.75
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	3	22.73
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	5	22.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	3	22.72
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	5	22.72
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	7	22.71
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	5	22.71
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	5	22.71
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	7	22.7
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	5	22.7
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	5	22.7
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	4	22.69
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	5	22.69
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	4	22.68
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	7	22.68
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	7	22.68
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	7	22.68
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	3	22.68
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	3	22.68
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	5	22.68
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	6	22.67
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	4	22.67
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	7	22.67
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	7	22.67
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	7	22.67
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	6	22.66
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	4	22.66
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	7	22.66
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	7	22.66
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	7	22.66
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	3	22.66
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	3	22.66
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	3	22.65
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	3	22.65
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	6	22.64
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	6	22.64
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	1	22.64
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	1	22.64
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	1	22.64
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	7	22.64
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	7	22.64
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	7	22.64
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	7	22.64
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	10	22.63
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	1	22.63
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	3	22.63
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	1	22.63
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	6	22.62
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	6	22.62
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	1	22.62
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	4	22.62
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	4	22.62
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	4	22.62
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	4	22.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	7	22.62
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	7	22.62
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	3	22.62
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	3	22.62
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	1	22.62
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	1	22.62
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	6	22.61
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	1	22.61
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	1	22.61
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	7	22.61
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	7	22.61
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	7	22.61
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	3	22.61
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	1	22.61
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	1	22.61
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	1	22.61
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	10	22.6
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	4	22.6
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	4	22.6
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	4	22.6
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	7	22.6
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	10	22.59
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	10	22.59
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	10	22.59
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	6	22.59
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	1	22.59
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	4	22.59
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	1	22.59
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	1	22.59
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	6	22.58
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	7	22.58
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	6	22.58
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	10	22.58
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	7	22.58
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	10	22.58
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	6	22.58
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	10	22.58
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	7	22.57
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	1	22.57
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	7	22.57
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	1	22.57
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	1	22.57
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	10	22.56
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	4	22.56
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	1	22.56
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	1	22.56
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	7	22.56
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	1	22.56
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	6	22.55
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	1	22.55
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	7	22.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	10	22.54
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	10	22.54
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	1	22.54
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	10	22.53
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	7	22.53
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	7	22.52
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	7	22.52
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	4	22.52
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	7	22.52
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	4	22.52
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	4	22.51
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	4	22.5
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	7	22.5
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	7	22.49
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	4	22.49
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	7	22.49
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	4	22.49
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	7	22.49
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	4	22.48
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	4	22.48
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	4	22.48
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	9	22.47
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	7	22.47
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1	22.47
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	4	22.46
(1,1976)	1:122:H:VAL:C	1:123:H:GLU:N	1:123:H:GLU:CA	1:123:H:GLU:C	10	22.46
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	4	22.45
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	2	22.45
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	9	22.44
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	9	22.44
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	9	22.44
(1,1979)	1:122:B:VAL:C	1:123:B:GLU:N	1:123:B:GLU:CA	1:123:B:GLU:C	10	22.44
(1,1972)	1:122:K:VAL:C	1:123:K:GLU:N	1:123:K:GLU:CA	1:123:K:GLU:C	10	22.44
(1,1971)	1:122:A:VAL:C	1:123:A:GLU:N	1:123:A:GLU:CA	1:123:A:GLU:C	10	22.44
(1,1978)	1:122:C:VAL:C	1:123:C:GLU:N	1:123:C:GLU:CA	1:123:C:GLU:C	10	22.43
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	2	22.43
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	9	22.42
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	9	22.42
(1,1974)	1:122:E:VAL:C	1:123:E:GLU:N	1:123:E:GLU:CA	1:123:E:GLU:C	10	22.42
(1,1970)	1:122:D:VAL:C	1:123:D:GLU:N	1:123:D:GLU:CA	1:123:D:GLU:C	10	22.42
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	2	22.42
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	2	22.42
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1	22.42
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1	22.42
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	9	22.41
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	9	22.41
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	2	22.41
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	2	22.41
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	9	22.4
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	9	22.4
(1,1977)	1:122:F:VAL:C	1:123:F:GLU:N	1:123:F:GLU:CA	1:123:F:GLU:C	10	22.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1975)	1:122:J:VAL:C	1:123:J:GLU:N	1:123:J:GLU:CA	1:123:J:GLU:C	10	22.4
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	2	22.4
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	2	22.4
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	2	22.4
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1	22.4
(1,1980)	1:122:I:VAL:C	1:123:I:GLU:N	1:123:I:GLU:CA	1:123:I:GLU:C	10	22.39
(1,1969)	1:122:G:VAL:C	1:123:G:GLU:N	1:123:G:GLU:CA	1:123:G:GLU:C	10	22.39
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	2	22.39
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	2	22.39
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1	22.39
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1	22.39
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	3	22.38
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	9	22.37
(1,1973)	1:122:L:VAL:C	1:123:L:GLU:N	1:123:L:GLU:CA	1:123:L:GLU:C	10	22.37
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1	22.37
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1	22.37
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1	22.37
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	9	22.36
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	2	22.36
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1	22.36
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1	22.36
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	3	22.35
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	3	22.35
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	3	22.34
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	3	22.34
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1	22.34
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	3	22.32
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	3	22.32
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	3	22.32
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	3	22.31
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	3	22.31
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	3	22.3
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	3	22.29
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	2	22.29
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	2	22.28
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	2	22.26
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	2	22.25
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	2	22.25
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	9	22.24
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	7	22.24
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	2	22.24
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	9	22.23
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	7	22.23
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	7	22.23
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	7	22.22
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	7	22.22
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	2	22.22
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	2	22.22
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	7	22.21
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	9	22.21
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	7	22.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	7	22.2
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	9	22.2
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	9	22.2
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	5	22.2
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	7	22.2
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	7	22.2
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	2	22.2
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	7	22.19
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	7	22.19
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	5	22.19
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	5	22.19
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	7	22.19
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	2	22.19
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	7	22.18
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	7	22.18
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	7	22.18
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	9	22.18
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	5	22.18
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	5	22.18
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	7	22.18
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	2	22.18
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	7	22.17
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	10	22.17
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	9	22.17
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	5	22.17
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	5	22.17
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	5	22.17
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	5	22.17
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	7	22.17
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	9	22.16
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	5	22.16
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	7	22.16
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	2	22.16
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	7	22.15
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	10	22.15
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	9	22.15
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	6	22.15
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	6	22.15
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	5	22.15
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	9	22.14
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	9	22.14
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	5	22.14
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	7	22.14
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	7	22.13
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	7	22.13
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	9	22.12
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	6	22.12
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	10	22.1
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	10	22.1
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	10	22.09
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	6	22.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	10	22.08
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	10	22.08
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	5	22.07
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	10	22.07
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	10	22.07
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	6	22.07
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	6	22.07
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	6	22.07
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	6	22.07
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	6	22.06
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	6	22.06
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	10	22.05
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	5	22.04
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	5	22.04
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	6	22.04
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	6	22.04
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	5	22.03
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	10	22.03
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	5	22.02
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	10	22.02
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	5	22.01
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	5	22.01
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	5	22.0
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	5	22.0
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	5	21.99
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	4	21.99
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	5	21.98
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	4	21.98
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	5	21.97
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	4	21.96
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	4	21.96
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	4	21.95
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	4	21.94
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	4	21.93
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	4	21.91
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	4	21.91
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	4	21.91
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	4	21.9
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	4	21.89
(1,34)	1:6:I:ILE:C	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	8	21.89
(1,32)	1:6:G:ILE:C	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	8	21.89
(1,27)	1:6:J:ILE:C	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	8	21.88
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	4	21.86
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	4	21.86
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	4	21.86
(1,26)	1:6:E:ILE:C	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	8	21.86
(1,25)	1:6:F:ILE:C	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	8	21.86
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	3	21.85
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	4	21.85
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	4	21.85
(1,33)	1:6:H:ILE:C	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	8	21.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	3	21.84
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	3	21.84
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	3	21.84
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	4	21.84
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	3	21.83
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	4	21.83
(1,30)	1:6:L:ILE:C	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	8	21.83
(1,29)	1:6:K:ILE:C	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	8	21.83
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	4	21.82
(1,36)	1:6:A:ILE:C	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	8	21.82
(1,31)	1:6:C:ILE:C	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	8	21.82
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	3	21.81
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	3	21.81
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	4	21.81
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	4	21.81
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	4	21.81
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	3	21.8
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	4	21.8
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	3	21.79
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	3	21.79
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	3	21.79
(1,35)	1:6:B:ILE:C	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	8	21.79
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	3	21.78
(1,28)	1:6:D:ILE:C	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	8	21.78
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	9	21.77
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	2	21.75
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	9	21.75
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	9	21.74
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	9	21.74
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	2	21.73
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	9	21.73
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	2	21.72
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	2	21.72
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	2	21.71
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	2	21.71
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	9	21.71
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	9	21.71
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	6	21.7
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	9	21.7
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	2	21.69
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	6	21.69
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	6	21.69
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	9	21.69
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	9	21.69
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	9	21.69
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	2	21.68
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	6	21.68
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	2	21.67
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	2	21.67
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	2	21.67
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	9	21.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	6	21.66
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	6	21.66
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	2	21.65
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	6	21.65
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	6	21.65
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	6	21.64
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	6	21.64
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	6	21.63
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	6	21.63
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	4	21.58
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	4	21.57
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	4	21.57
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	4	21.57
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	4	21.56
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	4	21.56
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	4	21.56
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	4	21.54
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	4	21.54
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	4	21.54
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	4	21.54
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	4	21.54
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	4	21.53
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	4	21.53
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	4	21.53
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	4	21.53
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	2	21.53
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	4	21.52
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	4	21.52
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	4	21.52
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	4	21.52
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	4	21.51
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	2	21.51
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	2	21.51
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	5	21.51
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	4	21.5
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	4	21.49
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	2	21.49
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	5	21.49
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	2	21.48
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	4	21.47
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	2	21.47
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	2	21.47
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	5	21.46
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	5	21.46
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	2	21.45
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	2	21.45
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	5	21.45
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	5	21.45
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	5	21.44
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	5	21.44
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	8	21.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	2	21.43
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	2	21.43
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	2	21.41
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	8	21.4
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	8	21.4
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	5	21.4
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	5	21.39
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	5	21.39
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	8	21.37
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	5	21.37
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	8	21.36
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	8	21.35
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	8	21.34
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	8	21.34
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	8	21.33
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	3	21.33
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	8	21.31
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	8	21.31
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	3	21.31
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	8	21.3
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	3	21.3
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	3	21.3
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	3	21.3
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	3	21.3
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	2	21.29
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	3	21.29
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	3	21.29
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	3	21.27
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	3	21.27
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	2	21.25
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	2	21.24
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	4	21.24
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	2	21.23
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	2	21.23
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	2	21.23
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	2	21.23
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	3	21.23
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	2	21.22
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	2	21.22
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	3	21.22
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	4	21.22
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	2	21.21
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	4	21.21
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	4	21.21
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	4	21.2
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	4	21.2
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	9	21.2
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	9	21.2
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	9	21.2
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	2	21.19
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	3	21.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	4	21.19
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	4	21.19
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	9	21.19
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	9	21.19
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	2	21.18
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	2	21.18
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	2	21.18
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	9	21.18
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	2	21.17
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	2	21.17
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	2	21.17
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	3	21.17
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	3	21.17
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	9	21.17
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	9	21.17
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	9	21.17
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	2	21.15
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	1	21.15
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	3	21.15
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	4	21.15
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	4	21.15
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	9	21.15
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	9	21.15
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	2	21.14
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	2	21.14
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	2	21.14
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	3	21.14
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	4	21.14
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	9	21.14
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	2	21.13
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	9	21.13
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	10	21.13
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	1	21.13
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	1	21.13
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	1	21.13
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	2	21.12
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	2	21.12
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	9	21.12
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	1	21.12
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	1	21.12
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	3	21.12
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	3	21.12
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	10	21.11
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	10	21.11
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	10	21.11
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	1	21.11
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	1	21.11
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	3	21.11
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	3	21.11
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	4	21.11
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	9	21.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	3	21.1
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	3	21.1
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	9	21.09
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	10	21.09
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	10	21.09
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	1	21.09
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	1	21.09
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	3	21.09
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	9	21.08
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	9	21.08
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	9	21.07
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	9	21.07
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	9	21.07
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	9	21.07
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	10	21.07
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	1	21.07
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	9	21.06
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	10	21.06
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	10	21.06
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	10	21.06
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	10	21.05
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	10	21.05
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	1	21.04
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	9	21.04
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	1	21.04
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	7	21.04
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	7	21.04
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	7	21.04
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	9	21.03
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	9	21.03
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	7	21.03
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	1	21.0
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	9	21.0
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	9	21.0
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	9	21.0
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	9	21.0
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	9	21.0
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	9	21.0
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	1	20.99
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	1	20.99
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	9	20.99
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	7	20.99
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	1	20.98
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	1	20.98
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	9	20.98
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	7	20.98
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	7	20.98
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	1	20.97
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	1	20.97
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	7	20.97
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	1	20.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	1	20.96
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	9	20.96
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	7	20.96
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	7	20.96
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	1	20.95
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	7	20.95
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	1	20.94
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	9	20.94
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	7	20.91
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	1	20.88
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	2	20.86
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	1	20.86
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	1	20.85
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	2	20.84
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	1	20.84
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	1	20.84
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	2	20.83
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	1	20.83
(1,1604)	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1:105:I:ASP:N	10	20.82
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	2	20.81
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	2	20.81
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	2	20.81
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	2	20.81
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	1	20.81
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	1	20.81
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	1	20.81
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	1	20.81
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	10	20.8
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	1	20.8
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	2	20.79
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	2	20.79
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	10	20.79
(1,1607)	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1:105:D:ASP:N	10	20.79
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	1	20.79
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	2	20.78
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	10	20.78
(1,1600)	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1:105:F:ASP:N	10	20.78
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	2	20.77
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	10	20.77
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	10	20.77
(1,1598)	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1:105:L:ASP:N	10	20.77
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	2	20.76
(1,1608)	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1:105:C:ASP:N	10	20.76
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	10	20.75
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	10	20.75
(1,1601)	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1:105:E:ASP:N	10	20.75
(1,1599)	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1:105:H:ASP:N	10	20.75
(1,1524)	1:100:E:GLU:C	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	5	20.75
(1,1514)	1:100:D:GLU:C	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	5	20.75
(1,1606)	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1:105:J:ASP:N	10	20.74
(1,1605)	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1:105:A:ASP:N	10	20.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1603)	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1:105:G:ASP:N	10	20.74
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	10	20.73
(1,1597)	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1:105:K:ASP:N	10	20.73
(1,1523)	1:100:F:GLU:C	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	5	20.73
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	10	20.72
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	10	20.72
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	10	20.72
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	10	20.72
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	10	20.72
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	10	20.72
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	10	20.71
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	10	20.71
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	10	20.71
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	10	20.71
(1,1602)	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1:105:B:ASP:N	10	20.71
(1,1522)	1:100:B:GLU:C	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	5	20.71
(1,1518)	1:100:I:GLU:C	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	5	20.71
(1,1517)	1:100:C:GLU:C	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	5	20.71
(1,1515)	1:100:J:GLU:C	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	5	20.71
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	10	20.7
(1,1516)	1:100:K:GLU:C	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	5	20.7
(1,1513)	1:100:A:GLU:C	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	5	20.7
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	10	20.69
(1,1520)	1:100:G:GLU:C	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	5	20.69
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	10	20.68
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	10	20.68
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	10	20.68
(1,1519)	1:100:L:GLU:C	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	5	20.68
(1,497)	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1:37:E:VAL:N	2	20.68
(1,1521)	1:100:H:GLU:C	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	5	20.67
(1,496)	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1:37:F:VAL:N	2	20.67
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	10	20.65
(1,498)	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1:37:B:VAL:N	2	20.65
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	9	20.64
(1,494)	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1:37:H:VAL:N	2	20.64
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	9	20.63
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	9	20.62
(1,499)	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1:37:G:VAL:N	2	20.62
(1,495)	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1:37:A:VAL:N	2	20.62
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	3	20.61
(1,493)	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1:37:L:VAL:N	2	20.61
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	9	20.6
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	9	20.6
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	9	20.6
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	9	20.59
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	3	20.59
(1,504)	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1:37:C:VAL:N	2	20.59
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	3	20.59
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	9	20.58
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	9	20.58
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	9	20.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	9	20.58
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	9	20.58
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	3	20.58
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	5	20.58
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	5	20.58
(1,502)	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1:37:D:VAL:N	2	20.58
(1,501)	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1:37:J:VAL:N	2	20.58
(1,500)	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1:37:I:VAL:N	2	20.58
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	9	20.57
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	9	20.57
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	9	20.57
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	3	20.57
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	3	20.57
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	5	20.57
(1,503)	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1:37:K:VAL:N	2	20.57
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	4	20.57
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	3	20.57
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	9	20.56
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	9	20.56
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	9	20.56
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	3	20.56
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	3	20.56
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	3	20.56
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	5	20.56
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	4	20.56
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	3	20.56
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	3	20.56
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	9	20.55
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	9	20.55
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	9	20.55
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	3	20.55
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	5	20.55
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	5	20.55
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	5	20.55
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	4	20.55
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	4	20.55
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	3	20.55
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	3	20.55
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	3	20.54
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	5	20.54
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	3	20.54
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	9	20.53
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	9	20.53
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	4	20.53
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	4	20.53
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	4	20.53
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	5	20.52
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	3	20.52
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	3	20.52
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	3	20.52
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	9	20.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	9	20.51
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	9	20.51
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	3	20.51
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	5	20.51
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	4	20.51
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	4	20.51
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	4	20.51
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	4	20.51
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	3	20.5
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	5	20.5
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	3	20.49
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	9	20.48
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	5	20.48
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	9	20.47
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	9	20.47
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	9	20.47
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	9	20.47
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	4	20.47
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	9	20.46
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	9	20.46
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	3	20.46
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	9	20.44
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	9	20.43
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	9	20.42
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	9	20.42
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	9	20.42
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	9	20.42
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	9	20.41
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	9	20.4
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	9	20.4
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	9	20.4
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	9	20.4
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	9	20.4
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	9	20.4
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	9	20.38
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	9	20.38
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	9	20.37
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	9	20.37
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	9	20.37
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	9	20.36
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	9	20.36
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	5	20.35
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	9	20.35
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	9	20.34
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	5	20.33
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	9	20.33
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	9	20.32
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	9	20.32
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	9	20.32
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	5	20.31
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	6	20.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	9	20.29
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	6	20.28
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	6	20.28
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	5	20.26
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	6	20.26
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	6	20.26
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	6	20.25
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	6	20.25
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	5	20.24
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	5	20.24
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	5	20.24
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	6	20.24
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	6	20.24
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	6	20.24
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	5	20.23
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	5	20.23
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	6	20.23
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	10	20.23
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	10	20.23
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	6	20.22
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	6	20.22
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	10	20.22
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	5	20.21
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	6	20.21
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	6	20.21
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	6	20.21
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	6	20.21
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	10	20.21
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	10	20.21
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	5	20.2
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	6	20.2
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	6	20.2
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	10	20.2
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	10	20.2
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	3	20.2
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	3	20.2
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	6	20.19
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	6	20.19
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	10	20.19
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	3	20.19
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	3	20.19
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	5	20.18
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	6	20.18
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	6	20.18
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	10	20.18
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	10	20.18
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	3	20.18
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	3	20.18
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	6	20.17
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	10	20.17
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	3	20.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	10	20.15
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	3	20.15
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	3	20.13
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	3	20.11
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	3	20.11
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	3	20.1
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	5	20.09
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	5	20.08
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	9	20.08
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	5	20.07
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	8	20.07
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	9	20.07
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	9	20.07
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	6	20.07
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	9	20.06
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	6	20.06
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	5	20.05
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	9	20.05
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	8	20.04
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	9	20.04
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	9	20.04
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	5	20.03
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	8	20.03
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	8	20.03
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	9	20.03
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	6	20.03
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	6	20.03
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	9	20.02
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	9	20.02
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	8	20.02
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	6	20.02
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	6	20.02
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	5	20.01
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	5	20.01
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	8	20.01
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	8	20.01
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	8	20.01
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	8	20.01
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	9	20.01
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	6	20.01
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	5	20.0
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	5	20.0
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	8	20.0
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	8	20.0
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	9	20.0
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	6	20.0
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	6	20.0
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	8	19.99
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	6	19.99
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	5	19.98
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	5	19.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	8	19.98
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	6	19.98
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	8	19.97
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	8	19.97
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	8	19.97
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	6	19.97
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	8	19.96
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	8	19.95
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	8	19.95
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	5	19.93
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	8	19.93
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	8	19.92
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	8	19.9
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	8	19.9
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	3	19.87
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	3	19.87
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	8	19.85
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	7	19.83
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	7	19.83
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	3	19.83
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	7	19.81
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	7	19.81
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	7	19.81
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	7	19.81
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	3	19.8
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	3	19.8
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	3	19.8
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	3	19.8
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	3	19.8
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	3	19.8
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	7	19.79
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	3	19.79
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	5	19.79
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	7	19.77
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	7	19.77
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	5	19.77
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	5	19.77
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	7	19.76
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	7	19.76
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	3	19.76
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	5	19.76
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	3	19.75
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	5	19.75
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	5	19.75
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	5	19.75
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	5	19.75
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	7	19.74
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	5	19.74
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	5	19.73
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	5	19.73
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	5	19.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	3	19.68
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	3	19.68
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	3	19.68
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	3	19.68
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	3	19.67
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	3	19.67
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	3	19.67
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	3	19.66
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	3	19.66
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	3	19.65
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	3	19.64
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	1	19.63
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	3	19.63
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	1	19.62
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	8	19.6
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	1	19.59
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	1	19.59
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	1	19.57
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	1	19.57
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	8	19.57
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	1	19.56
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	1	19.56
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	8	19.55
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	8	19.55
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	8	19.55
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	8	19.55
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	8	19.55
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	1	19.54
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	1	19.54
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	8	19.54
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	8	19.54
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	10	19.53
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	8	19.53
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	8	19.53
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	8	19.53
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	8	19.53
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	8	19.53
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	10	19.52
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	1	19.52
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	8	19.52
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	8	19.52
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	10	19.51
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	1	19.51
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	9	19.51
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	8	19.5
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	8	19.5
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	8	19.5
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	8	19.5
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	10	19.49
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	9	19.49
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	10	19.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	10	19.48
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	8	19.48
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	8	19.48
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	8	19.48
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	9	19.48
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	9	19.48
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	10	19.47
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	10	19.47
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	8	19.47
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	8	19.47
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	8	19.47
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	9	19.47
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	9	19.47
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	9	19.47
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	8	19.47
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	8	19.47
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	8	19.47
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	10	19.46
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	9	19.46
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	9	19.46
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	8	19.46
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	8	19.46
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	9	19.45
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	10	19.45
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	8	19.45
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	2	19.45
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	8	19.45
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	9	19.44
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	10	19.44
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	2	19.44
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	9	19.44
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	4	19.44
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	8	19.44
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	2	19.43
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	2	19.43
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	9	19.43
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	9	19.43
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	4	19.43
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	4	19.43
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	4	19.43
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	4	19.43
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	8	19.43
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	8	19.43
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	9	19.42
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	10	19.42
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	7	19.42
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	2	19.42
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	2	19.42
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	2	19.42
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	4	19.42
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	4	19.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	7	19.41
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	2	19.41
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	4	19.41
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	9	19.4
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	2	19.4
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	2	19.4
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	2	19.4
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	4	19.4
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	9	19.39
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	9	19.39
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	4	19.39
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	9	19.38
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	9	19.38
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	7	19.38
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	2	19.38
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	4	19.38
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	4	19.38
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	9	19.37
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	7	19.37
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	9	19.36
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	9	19.36
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	7	19.36
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	7	19.36
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	9	19.35
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	9	19.35
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	9	19.35
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	9	19.35
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	9	19.35
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	7	19.35
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	7	19.35
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	9	19.34
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	9	19.34
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	7	19.34
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	9	19.33
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	9	19.33
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	7	19.33
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	7	19.33
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	9	19.32
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	7	19.31
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	9	19.29
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	6	19.29
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	9	19.27
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	10	19.27
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	10	19.26
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	9	19.25
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	6	19.25
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	6	19.25
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	10	19.25
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	6	19.24
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	6	19.23
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	6	19.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	10	19.22
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	10	19.22
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	6	19.21
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	6	19.21
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	6	19.21
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	10	19.21
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	10	19.21
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	6	19.2
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	10	19.2
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	6	19.19
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	6	19.19
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	10	19.18
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	10	19.18
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	6	19.17
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	7	19.17
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	7	19.17
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	10	19.17
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	7	19.16
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	10	19.16
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	10	19.16
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	6	19.15
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	6	19.15
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	7	19.15
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	10	19.15
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	10	19.15
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	10	19.15
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	6	19.14
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	6	19.14
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	7	19.14
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	7	19.14
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	10	19.14
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	6	19.13
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	10	19.13
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	6	19.12
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	6	19.12
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	6	19.12
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	7	19.12
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	10	19.12
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	10	19.12
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	6	19.11
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	7	19.11
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	7	19.11
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	7	19.11
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	6	19.1
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	10	19.1
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	10	19.1
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	10	19.1
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	7	19.09
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	6	19.08
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	7	19.07
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	10	19.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	10	19.0
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	4	18.98
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	10	18.98
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	4	18.97
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	4	18.97
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	4	18.96
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	4	18.96
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	4	18.94
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	10	18.94
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	10	18.94
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	10	18.94
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	10	18.93
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1	18.92
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	10	18.92
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1	18.91
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	4	18.91
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	4	18.91
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	4	18.9
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	10	18.9
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	10	18.9
(1,455)	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1:30:C:ALA:N	7	18.89
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	10	18.89
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1	18.88
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	4	18.88
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	10	18.88
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1	18.87
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1	18.87
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1	18.87
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	4	18.87
(1,456)	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1:30:K:ALA:N	7	18.87
(1,453)	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1:30:I:ALA:N	7	18.87
(1,445)	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1:30:L:ALA:N	7	18.87
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1	18.86
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	4	18.86
(1,449)	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1:30:E:ALA:N	7	18.86
(1,447)	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1:30:D:ALA:N	7	18.86
(1,448)	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1:30:A:ALA:N	7	18.85
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	10	18.85
(1,454)	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1:30:H:ALA:N	7	18.84
(1,452)	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1:30:G:ALA:N	7	18.84
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1	18.83
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1	18.83
(1,450)	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1:30:F:ALA:N	7	18.83
(1,446)	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1:30:J:ALA:N	7	18.83
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1	18.82
(1,451)	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1:30:B:ALA:N	7	18.82
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1	18.81
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1	18.79
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	4	18.77
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	4	18.76
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	4	18.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	4	18.73
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	4	18.73
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	4	18.72
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	7	18.72
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	7	18.72
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	2	18.71
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	4	18.71
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	4	18.71
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	4	18.71
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	7	18.71
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	2	18.7
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	2	18.7
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	2	18.7
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	4	18.7
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	7	18.7
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	2	18.69
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	2	18.69
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	4	18.69
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	2	18.68
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	2	18.68
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	2	18.68
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	4	18.68
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	7	18.68
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	2	18.67
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	2	18.67
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	7	18.67
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	7	18.67
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	2	18.66
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	7	18.66
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	7	18.66
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	7	18.65
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	7	18.65
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	7	18.65
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	1	18.55
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	1	18.54
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	1	18.53
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	1	18.52
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	1	18.52
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	1	18.49
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	1	18.49
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	1	18.49
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	10	18.48
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	10	18.48
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	10	18.48
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	1	18.48
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	1	18.48
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	1	18.48
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	8	18.47
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	10	18.47
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	1	18.47
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	4	18.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	8	18.46
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	8	18.45
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	10	18.45
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	8	18.44
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	10	18.44
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	10	18.44
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	10	18.44
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	10	18.44
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	4	18.44
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	8	18.43
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	8	18.42
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	8	18.42
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	4	18.42
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	4	18.42
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	8	18.41
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	8	18.41
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	10	18.41
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	10	18.41
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	4	18.41
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	4	18.41
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	8	18.4
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	8	18.4
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	8	18.4
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	10	18.4
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	4	18.4
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	8	18.39
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	8	18.39
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	4	18.39
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	4	18.39
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	8	18.38
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	8	18.38
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	4	18.38
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	8	18.37
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	8	18.37
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	4	18.37
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	8	18.36
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	8	18.35
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	4	18.35
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	8	18.35
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	4	18.34
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	8	18.34
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	4	18.34
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	4	18.33
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	8	18.33
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	4	18.31
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	4	18.31
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	8	18.31
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	4	18.3
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	4	18.3
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	6	18.3
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1	18.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	4	18.29
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	4	18.29
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	4	18.29
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	6	18.29
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	6	18.29
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	6	18.29
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	6	18.28
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	6	18.28
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	6	18.28
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1	18.27
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	6	18.27
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	6	18.27
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	6	18.27
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	4	18.26
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	6	18.26
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1	18.25
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1	18.25
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	6	18.25
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1	18.24
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1	18.24
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1	18.24
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	6	18.24
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	6	18.24
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	6	18.24
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	6	18.24
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	2	18.24
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	9	18.24
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	4	18.23
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1	18.22
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	6	18.22
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	6	18.22
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	9	18.22
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	9	18.22
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1	18.21
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	6	18.21
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	6	18.21
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	2	18.21
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	2	18.21
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	2	18.21
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1	18.2
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1	18.2
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	9	18.2
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	9	18.2
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	9	18.2
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	9	18.2
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	6	18.19
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	6	18.19
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	6	18.19
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	6	18.19
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	6	18.19
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	6	18.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	2	18.19
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	2	18.19
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	2	18.19
(1,2594)	1:153:I:VAL:C	1:154:I:SER:N	1:154:I:SER:CA	1:154:I:SER:C	10	18.18
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	6	18.18
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	6	18.18
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	6	18.18
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	2	18.18
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	2	18.18
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	9	18.18
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	2	18.18
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1	18.17
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	9	18.17
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	9	18.17
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	6	18.17
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	6	18.17
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	2	18.17
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	6	18.16
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	4	18.16
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	6	18.16
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	6	18.16
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	6	18.16
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	9	18.16
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	2	18.16
(1,2595)	1:153:G:VAL:C	1:154:G:SER:N	1:154:G:SER:CA	1:154:G:SER:C	10	18.15
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	6	18.15
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	6	18.15
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	6	18.15
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	9	18.15
(1,2599)	1:153:D:VAL:C	1:154:D:SER:N	1:154:D:SER:CA	1:154:D:SER:C	10	18.14
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	9	18.14
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	9	18.14
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	4	18.14
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	4	18.14
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	6	18.14
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	6	18.14
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	9	18.13
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	9	18.13
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	9	18.13
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	6	18.13
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	6	18.13
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	9	18.13
(1,2604)	1:153:B:VAL:C	1:154:B:SER:N	1:154:B:SER:CA	1:154:B:SER:C	10	18.12
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	9	18.12
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	9	18.12
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	9	18.12
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	4	18.12
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	4	18.12
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	4	18.12
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	4	18.12
(1,2601)	1:153:E:VAL:C	1:154:E:SER:N	1:154:E:SER:CA	1:154:E:SER:C	10	18.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2598)	1:153:L:VAL:C	1:154:L:SER:N	1:154:L:SER:CA	1:154:L:SER:C	10	18.11
(1,2597)	1:153:K:VAL:C	1:154:K:SER:N	1:154:K:SER:CA	1:154:K:SER:C	10	18.11
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	4	18.11
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	6	18.11
(1,2593)	1:153:H:VAL:C	1:154:H:SER:N	1:154:H:SER:CA	1:154:H:SER:C	10	18.1
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	9	18.1
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	4	18.1
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	9	18.1
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	4	18.09
(1,2603)	1:153:A:VAL:C	1:154:A:SER:N	1:154:A:SER:CA	1:154:A:SER:C	10	18.08
(1,2596)	1:153:C:VAL:C	1:154:C:SER:N	1:154:C:SER:CA	1:154:C:SER:C	10	18.08
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	9	18.08
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	7	18.08
(1,2602)	1:153:F:VAL:C	1:154:F:SER:N	1:154:F:SER:CA	1:154:F:SER:C	10	18.07
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	6	18.07
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	6	18.07
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	6	18.07
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	6	18.07
(1,2600)	1:153:J:VAL:C	1:154:J:SER:N	1:154:J:SER:CA	1:154:J:SER:C	10	18.06
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	4	18.06
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	4	18.05
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	6	18.05
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	7	18.05
(1,2809)	1:170:F:ALA:C	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	3	18.03
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	7	18.03
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	7	18.03
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	7	18.03
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	7	18.03
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	7	18.03
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	7	18.02
(1,2814)	1:170:L:ALA:C	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	3	18.01
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	7	18.01
(1,2817)	1:170:A:ALA:C	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	3	18.0
(1,2815)	1:170:D:ALA:C	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	3	18.0
(1,2812)	1:170:G:ALA:C	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	3	18.0
(1,2816)	1:170:E:ALA:C	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	3	17.99
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	7	17.99
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	7	17.99
(1,2820)	1:170:J:ALA:C	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	3	17.98
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	7	17.98
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	3	17.97
(1,2818)	1:170:K:ALA:C	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	3	17.95
(1,2813)	1:170:I:ALA:C	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	3	17.95
(1,2811)	1:170:B:ALA:C	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	3	17.95
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	3	17.94
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	3	17.94
(1,2038)	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	1:128:K:ILE:N	8	17.94
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	3	17.93
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	3	17.93
(1,2770)	1:166:L:THR:C	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	9	17.92
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	3	17.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	3	17.92
(1,2030)	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	1:128:C:ILE:N	8	17.92
(1,2819)	1:170:H:ALA:C	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	3	17.91
(1,2810)	1:170:C:ALA:C	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	3	17.91
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	3	17.91
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	3	17.91
(1,2772)	1:166:K:THR:C	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	9	17.9
(1,2769)	1:166:H:THR:C	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	9	17.9
(1,2768)	1:166:A:THR:C	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	9	17.9
(1,2764)	1:166:E:THR:C	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	9	17.9
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	3	17.9
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	3	17.9
(1,2039)	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	1:128:H:ILE:N	8	17.9
(1,2037)	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	1:128:A:ILE:N	8	17.9
(1,2035)	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	1:128:D:ILE:N	8	17.9
(1,2029)	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	1:128:F:ILE:N	8	17.9
(1,2771)	1:166:C:THR:C	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	9	17.89
(1,2767)	1:166:I:THR:C	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	9	17.89
(1,2766)	1:166:F:THR:C	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	9	17.88
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	3	17.88
(1,2034)	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	1:128:L:ILE:N	8	17.88
(1,2032)	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	1:128:G:ILE:N	8	17.88
(1,2762)	1:166:J:THR:C	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	9	17.87
(1,2040)	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	1:128:J:ILE:N	8	17.87
(1,2036)	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	1:128:E:ILE:N	8	17.87
(1,2031)	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	1:128:B:ILE:N	8	17.87
(1,2765)	1:166:G:THR:C	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	9	17.86
(1,2763)	1:166:B:THR:C	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	9	17.86
(1,2033)	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	1:128:I:ILE:N	8	17.84
(1,2761)	1:166:D:THR:C	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	9	17.83
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	8	17.83
(1,2770)	1:166:L:THR:C	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	5	17.82
(1,2763)	1:166:B:THR:C	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	5	17.82
(1,2769)	1:166:H:THR:C	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	5	17.81
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	8	17.81
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	8	17.81
(1,2771)	1:166:C:THR:C	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	5	17.79
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	5	17.79
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	8	17.79
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	8	17.79
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	5	17.78
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	5	17.78
(1,2767)	1:166:I:THR:C	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	5	17.77
(1,2765)	1:166:G:THR:C	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	5	17.77
(1,2762)	1:166:J:THR:C	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	5	17.77
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	5	17.77
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	5	17.77
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	5	17.77
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	8	17.77
(1,2772)	1:166:K:THR:C	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	5	17.76
(1,2761)	1:166:D:THR:C	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	5	17.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	5	17.76
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	5	17.76
(1,2766)	1:166:F:THR:C	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	5	17.75
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	5	17.75
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	5	17.75
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	1	17.75
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	1	17.75
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	8	17.75
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	8	17.75
(1,2768)	1:166:A:THR:C	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	5	17.74
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	5	17.74
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	1	17.74
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	1	17.74
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	8	17.74
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	5	17.73
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	1	17.73
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	1	17.73
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	8	17.73
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	8	17.73
(1,2764)	1:166:E:THR:C	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	5	17.72
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	1	17.72
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	1	17.72
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	1	17.71
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	8	17.71
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	1	17.7
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	1	17.7
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	1	17.69
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	1	17.69
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	1	17.69
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	1	17.68
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	1	17.68
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	1	17.68
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	1	17.68
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	1	17.67
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	1	17.67
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	1	17.67
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	5	17.67
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	10	17.67
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	5	17.66
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	1	17.66
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	9	17.65
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	1	17.65
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	1	17.65
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	5	17.65
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	7	17.65
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	10	17.65
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	10	17.65
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	9	17.64
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	5	17.64
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	7	17.64
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	5	17.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	7	17.63
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	7	17.63
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	6	17.63
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	10	17.63
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	10	17.63
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	10	17.63
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	10	17.63
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	9	17.62
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	9	17.62
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	6	17.62
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	9	17.61
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	5	17.61
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	7	17.61
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	7	17.61
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	6	17.61
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	10	17.61
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	10	17.61
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	10	17.61
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	9	17.6
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	9	17.6
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	9	17.6
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	9	17.6
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	5	17.6
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	7	17.6
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	6	17.6
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	9	17.59
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	7	17.59
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	6	17.59
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	10	17.59
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	5	17.58
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	5	17.58
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	7	17.58
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	7	17.58
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	7	17.58
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	6	17.58
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	6	17.58
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	6	17.58
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	10	17.58
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	5	17.57
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	5	17.57
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	9	17.56
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	9	17.56
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	5	17.56
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	6	17.56
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	6	17.55
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	7	17.54
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	6	17.53
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	10	17.52
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	10	17.52
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	6	17.5
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	10	17.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	10	17.49
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	10	17.47
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	10	17.47
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	10	17.46
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	10	17.46
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	10	17.45
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	10	17.45
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	10	17.44
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	10	17.44
(1,2593)	1:153:H:VAL:C	1:154:H:SER:N	1:154:H:SER:CA	1:154:H:SER:C	8	17.43
(1,2604)	1:153:B:VAL:C	1:154:B:SER:N	1:154:B:SER:CA	1:154:B:SER:C	8	17.42
(1,2603)	1:153:A:VAL:C	1:154:A:SER:N	1:154:A:SER:CA	1:154:A:SER:C	8	17.4
(1,2597)	1:153:K:VAL:C	1:154:K:SER:N	1:154:K:SER:CA	1:154:K:SER:C	8	17.4
(1,2594)	1:153:I:VAL:C	1:154:I:SER:N	1:154:I:SER:CA	1:154:I:SER:C	8	17.4
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	9	17.4
(1,2602)	1:153:F:VAL:C	1:154:F:SER:N	1:154:F:SER:CA	1:154:F:SER:C	8	17.39
(1,2595)	1:153:G:VAL:C	1:154:G:SER:N	1:154:G:SER:CA	1:154:G:SER:C	8	17.39
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	9	17.39
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	9	17.39
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	9	17.39
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	9	17.39
(1,2598)	1:153:L:VAL:C	1:154:L:SER:N	1:154:L:SER:CA	1:154:L:SER:C	8	17.38
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	9	17.38
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	9	17.38
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	9	17.38
(1,2599)	1:153:D:VAL:C	1:154:D:SER:N	1:154:D:SER:CA	1:154:D:SER:C	8	17.37
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	10	17.37
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	9	17.37
(1,2600)	1:153:J:VAL:C	1:154:J:SER:N	1:154:J:SER:CA	1:154:J:SER:C	8	17.36
(1,2596)	1:153:C:VAL:C	1:154:C:SER:N	1:154:C:SER:CA	1:154:C:SER:C	8	17.36
(1,2601)	1:153:E:VAL:C	1:154:E:SER:N	1:154:E:SER:CA	1:154:E:SER:C	8	17.35
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	10	17.35
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	9	17.35
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	6	17.35
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	6	17.35
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	9	17.34
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	10	17.33
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	6	17.33
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	6	17.33
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	10	17.31
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	10	17.31
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	10	17.31
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	10	17.31
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	10	17.31
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	9	17.31
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	6	17.31
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	6	17.31
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	10	17.3
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	4	17.3
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	10	17.3
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	6	17.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	6	17.3
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	10	17.29
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	6	17.29
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	6	17.29
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	6	17.29
(1,565)	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1:41:E:ARG:N	10	17.29
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	10	17.28
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	4	17.28
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	10	17.28
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	10	17.27
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	10	17.27
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	10	17.27
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	10	17.27
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	6	17.27
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	6	17.27
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	6	17.27
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	10	17.26
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	10	17.26
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	4	17.26
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	4	17.26
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	4	17.26
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	10	17.26
(1,575)	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1:41:I:ARG:N	10	17.26
(1,570)	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1:41:L:ARG:N	10	17.26
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	4	17.25
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	4	17.25
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	4	17.25
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	10	17.25
(1,576)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:ARG:N	10	17.25
(1,569)	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1:41:K:ARG:N	10	17.25
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	4	17.24
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	10	17.24
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	4	17.24
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	10	17.24
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	4	17.24
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	4	17.24
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	9	17.24
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	6	17.24
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	6	17.24
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	4	17.23
(1,574)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:ARG:N	10	17.23
(1,573)	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1:41:J:ARG:N	10	17.23
(1,568)	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1:41:H:ARG:N	10	17.23
(1,567)	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1:41:G:ARG:N	10	17.23
(1,566)	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1:41:F:ARG:N	10	17.23
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	4	17.22
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	4	17.22
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	2	17.22
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	9	17.22
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	6	17.22
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	6	17.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	4	17.21
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	10	17.21
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	6	17.21
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	2	17.21
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	2	17.21
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	9	17.21
(1,572)	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1:41:D:ARG:N	10	17.21
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	6	17.21
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	6	17.21
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	4	17.2
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	4	17.2
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	4	17.2
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	2	17.2
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	2	17.2
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	9	17.2
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	6	17.2
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	6	17.19
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	2	17.19
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	6	17.19
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	6	17.19
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	6	17.19
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	2	17.19
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	6	17.19
(1,904)	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	1:69:G:GLY:N	9	17.19
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	9	17.19
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	9	17.19
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	9	17.19
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	9	17.19
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	9	17.19
(1,571)	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1:41:C:ARG:N	10	17.19
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	6	17.19
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	6	17.19
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	4	17.18
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	4	17.18
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	4	17.18
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	5	17.18
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	2	17.18
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	2	17.18
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	9	17.18
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	4	17.17
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	2	17.17
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	2	17.17
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	6	17.17
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	2	17.17
(1,907)	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	1:69:A:GLY:N	9	17.17
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	6	17.16
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	6	17.16
(1,912)	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	1:69:H:GLY:N	9	17.16
(1,902)	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	1:69:C:GLY:N	9	17.16
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	7	17.16
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	6	17.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	5	17.15
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	5	17.15
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	7	17.15
(1,910)	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	1:69:E:GLY:N	9	17.15
(1,903)	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	1:69:B:GLY:N	9	17.15
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	7	17.15
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	9	17.15
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	9	17.15
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	7	17.15
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	5	17.14
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	6	17.14
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	6	17.14
(1,911)	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	1:69:J:GLY:N	9	17.14
(1,909)	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	1:69:L:GLY:N	9	17.14
(1,905)	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	1:69:I:GLY:N	9	17.14
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	7	17.14
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	7	17.14
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	7	17.14
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	7	17.14
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	4	17.13
(1,908)	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	1:69:K:GLY:N	9	17.13
(1,906)	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	1:69:D:GLY:N	9	17.13
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	7	17.13
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	7	17.13
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	7	17.13
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	5	17.12
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	5	17.12
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	6	17.12
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	7	17.12
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	7	17.12
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	7	17.12
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	7	17.12
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	5	17.11
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	7	17.11
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	5	17.1
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	7	17.1
(1,901)	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	1:69:F:GLY:N	9	17.1
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	5	17.09
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	5	17.09
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	7	17.09
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	7	17.09
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	1	17.07
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	7	17.07
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	7	17.06
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	4	17.06
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	5	17.05
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	7	17.05
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	5	17.04
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	1	17.03
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	7	17.03
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	1	17.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	1	17.02
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	1	17.02
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	3	17.02
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	7	17.02
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	4	17.02
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	4	17.02
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	1	17.01
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	3	17.01
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	3	17.01
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	4	17.01
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	1	17.0
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	3	17.0
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	3	17.0
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	3	17.0
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	1	16.99
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	1	16.99
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	4	16.99
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	1	16.98
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	1	16.98
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	4	16.98
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	3	16.97
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	4	16.97
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	1	16.96
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	3	16.96
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	4	16.96
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	4	16.96
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	3	16.95
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	3	16.94
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	3	16.94
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	3	16.94
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	2	16.94
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	4	16.93
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	4	16.93
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	4	16.91
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	7	16.89
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	7	16.89
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	2	16.89
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	2	16.89
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	3	16.88
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	3	16.88
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	10	16.88
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	2	16.88
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	2	16.88
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	7	16.87
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	7	16.87
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	7	16.87
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	7	16.87
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	3	16.87
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	3	16.87
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	10	16.87
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	10	16.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	2	16.87
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	2	16.87
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	7	16.86
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	7	16.86
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	7	16.86
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	3	16.86
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	3	16.86
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	3	16.86
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	2	16.86
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	2	16.86
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	2	16.86
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	3	16.85
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	10	16.85
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	2	16.85
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	3	16.84
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	3	16.84
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	10	16.84
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	3	16.83
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	3	16.83
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	10	16.83
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	10	16.83
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	10	16.83
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	2	16.83
(1,92)	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1:11:K:VAL:N	4	16.83
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	7	16.82
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	7	16.82
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	7	16.82
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	7	16.82
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	7	16.82
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	10	16.81
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	10	16.81
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	10	16.81
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	7	16.81
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	7	16.81
(1,88)	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1:11:F:VAL:N	4	16.81
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	7	16.8
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	10	16.8
(1,96)	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1:11:D:VAL:N	4	16.8
(1,94)	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1:11:L:VAL:N	4	16.8
(1,89)	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1:11:I:VAL:N	4	16.8
(1,86)	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1:11:C:VAL:N	4	16.8
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	10	16.79
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	10	16.79
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	7	16.79
(1,87)	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1:11:G:VAL:N	4	16.79
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	10	16.78
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	10	16.78
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	10	16.78
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	10	16.78
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	7	16.78
(1,95)	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1:11:E:VAL:N	4	16.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1:11:H:VAL:N	4	16.78
(1,90)	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1:11:J:VAL:N	4	16.78
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	10	16.77
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	7	16.77
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	7	16.77
(1,93)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1:11:A:VAL:N	4	16.77
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	10	16.76
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	10	16.75
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	7	16.74
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	7	16.74
(1,85)	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1:11:B:VAL:N	4	16.74
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	10	16.73
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	10	16.73
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	7	16.73
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	5	16.72
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	5	16.72
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	10	16.72
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	5	16.71
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	5	16.7
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	5	16.69
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	5	16.68
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	5	16.68
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	5	16.68
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	9	16.68
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	5	16.67
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	5	16.67
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	5	16.66
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	9	16.66
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	1	16.66
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	5	16.65
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	9	16.65
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	1	16.65
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	3	16.64
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	9	16.64
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	9	16.64
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	9	16.64
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	10	16.63
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	10	16.63
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	2	16.63
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	9	16.63
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	1	16.63
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	1	16.63
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	2	16.62
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	3	16.62
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	3	16.62
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	9	16.62
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	3	16.62
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	10	16.61
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	10	16.61
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	2	16.61
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	5	16.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	3	16.61
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	3	16.61
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	3	16.61
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	1	16.61
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	1	16.61
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	3	16.61
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	2	16.6
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	10	16.6
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	10	16.6
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	7	16.6
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	8	16.6
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	9	16.6
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	1	16.6
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	1	16.6
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	1	16.6
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	3	16.6
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	2	16.6
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	2	16.59
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	2	16.59
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	10	16.59
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	10	16.59
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	10	16.59
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	7	16.59
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	2	16.59
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	2	16.59
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	8	16.59
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	3	16.59
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	9	16.59
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	1	16.59
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	1	16.59
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	3	16.59
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	2	16.58
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	10	16.58
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	10	16.58
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	7	16.58
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	2	16.58
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	2	16.58
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	5	16.58
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	8	16.58
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	8	16.58
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	8	16.58
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	3	16.58
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	3	16.58
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	3	16.58
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	1	16.58
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	3	16.58
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	3	16.58
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	2	16.58
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	2	16.58
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	10	16.57
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	10	16.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	2	16.57
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	2	16.57
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	5	16.57
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	8	16.57
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	8	16.57
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	8	16.57
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	9	16.57
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	9	16.57
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	3	16.57
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	2	16.56
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	10	16.56
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	10	16.56
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	7	16.56
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	2	16.56
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	2	16.56
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	2	16.56
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	5	16.56
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	8	16.56
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	3	16.56
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	2	16.56
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	10	16.55
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	10	16.55
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	7	16.55
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	7	16.55
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	5	16.55
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	5	16.55
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	5	16.55
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	5	16.55
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	8	16.55
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	8	16.55
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	2	16.55
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	3	16.55
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	2	16.54
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	2	16.54
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	10	16.54
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	10	16.54
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	7	16.54
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	8	16.54
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	3	16.54
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	2	16.54
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	2	16.54
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	3	16.54
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	10	16.53
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	10	16.53
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	7	16.53
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	5	16.53
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	2	16.52
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	10	16.52
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	5	16.52
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	3	16.52
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	2	16.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	2	16.52
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	2	16.52
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	2	16.51
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	7	16.51
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	5	16.51
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	5	16.51
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	9	16.51
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	2	16.5
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	10	16.5
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	7	16.5
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	5	16.5
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	5	16.5
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	9	16.5
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	1	16.5
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	3	16.5
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	2	16.5
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	2	16.49
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	9	16.49
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	2	16.49
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	2	16.48
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	10	16.48
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	7	16.48
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	5	16.48
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	5	16.48
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	5	16.48
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	5	16.48
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	5	16.48
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	9	16.48
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	9	16.48
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	1	16.48
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	1	16.48
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	3	16.48
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	8	16.47
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	9	16.47
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	9	16.47
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	1	16.47
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	5	16.46
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	8	16.46
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	9	16.46
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	1	16.46
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	1	16.46
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	1	16.46
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	5	16.45
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	5	16.45
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	8	16.45
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	8	16.45
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	9	16.45
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	10	16.45
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	10	16.45
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	5	16.44
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	9	16.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	9	16.44
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	1	16.44
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	10	16.44
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	7	16.43
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	8	16.43
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	9	16.43
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	1	16.43
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	7	16.43
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	10	16.43
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	8	16.42
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	1	16.42
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	7	16.42
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	10	16.42
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	10	16.42
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	10	16.41
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	10	16.41
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	10	16.41
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	10	16.41
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	5	16.4
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	2	16.4
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	7	16.4
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	10	16.4
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	2	16.39
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	8	16.39
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	1	16.39
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	7	16.39
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	7	16.39
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	1	16.39
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	10	16.39
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	8	16.38
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	8	16.38
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	8	16.38
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	8	16.38
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	7	16.38
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	1	16.38
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	2	16.37
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	2	16.37
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	6	16.37
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	7	16.37
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	7	16.37
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	1	16.37
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	1	16.37
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	1	16.37
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	1	16.37
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	1	16.37
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	2	16.36
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	8	16.36
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	8	16.36
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	6	16.36
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	6	16.36
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	1	16.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	1	16.36
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	2	16.35
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	2	16.35
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	2	16.35
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	7	16.35
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	1	16.35
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	2	16.34
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	2	16.34
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	2	16.34
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	8	16.34
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	6	16.34
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	6	16.34
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	8	16.33
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	6	16.33
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	6	16.33
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	6	16.33
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	7	16.33
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	7	16.33
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	1	16.33
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	2	16.32
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	8	16.32
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	5	16.32
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	6	16.32
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	6	16.32
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	6	16.32
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	7	16.32
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	1	16.32
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	5	16.31
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	1	16.31
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	8	16.3
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	8	16.29
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	8	16.29
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	8	16.29
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	5	16.29
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	6	16.29
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	8	16.28
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	8	16.28
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	5	16.28
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	8	16.28
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	8	16.28
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	8	16.28
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	8	16.27
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	8	16.27
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	8	16.27
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	8	16.27
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	8	16.27
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	2	16.26
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	8	16.26
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	5	16.26
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	5	16.26
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	5	16.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	8	16.26
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	8	16.26
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	8	16.26
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	5	16.25
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	10	16.25
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	8	16.25
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	5	16.24
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	10	16.24
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	8	16.24
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	5	16.23
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	5	16.22
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	10	16.22
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	10	16.22
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	10	16.21
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	5	16.21
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	10	16.21
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	10	16.2
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	2	16.19
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	10	16.19
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	10	16.19
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	1	16.18
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	2	16.18
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	2	16.18
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	1	16.17
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	2	16.17
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	10	16.17
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	10	16.17
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	1	16.16
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	2	16.16
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	2	16.16
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	10	16.16
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	3	16.15
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	1	16.15
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	2	16.15
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	2	16.15
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	1	16.14
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	2	16.14
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	1	16.13
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	1	16.13
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	1	16.13
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	1	16.13
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	3	16.12
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	2	16.12
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	2	16.12
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	3	16.11
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	1	16.11
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	3	16.1
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	1	16.1
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	7	16.09
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	3	16.08
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	1	16.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	3	16.07
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	1	16.07
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	3	16.06
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	3	16.06
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	3	16.06
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	3	16.06
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	1	16.06
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	3	16.05
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	1	16.05
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	7	16.04
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	1	16.03
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	1	16.03
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	3	16.02
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	1	16.02
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	1	16.02
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	1	16.01
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	7	16.01
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	1	16.0
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	7	16.0
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	7	16.0
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	7	16.0
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	7	16.0
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	1	15.99
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	1	15.99
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	7	15.99
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	1	15.98
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	7	15.98
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	7	15.97
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	7	15.97
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	7	15.95
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	7	15.94
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	7	15.93
(1,97)	1:10:J:ASP:C	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	4	15.93
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	7	15.92
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	7	15.92
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	7	15.92
(1,102)	1:10:K:ASP:C	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	4	15.92
(1,108)	1:10:A:ASP:C	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	4	15.91
(1,104)	1:10:H:ASP:C	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	4	15.9
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	5	15.89
(1,107)	1:10:B:ASP:C	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	4	15.89
(1,106)	1:10:E:ASP:C	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	4	15.89
(1,101)	1:10:I:ASP:C	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	4	15.89
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	5	15.88
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	5	15.88
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	7	15.88
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	7	15.88
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	7	15.88
(1,105)	1:10:F:ASP:C	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	4	15.88
(1,98)	1:10:D:ASP:C	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	4	15.88
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	5	15.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	5	15.87
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	7	15.87
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	7	15.87
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	5	15.86
(1,103)	1:10:L:ASP:C	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	4	15.86
(1,100)	1:10:C:ASP:C	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	4	15.86
(1,99)	1:10:G:ASP:C	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	4	15.86
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	9	15.85
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	7	15.85
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	7	15.85
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	10	15.84
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	10	15.84
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	10	15.84
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	5	15.84
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	5	15.84
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	8	15.84
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	8	15.83
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	8	15.83
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	4	15.82
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	4	15.82
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	9	15.82
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	10	15.82
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	10	15.82
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	9	15.82
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	5	15.82
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	5	15.82
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	8	15.82
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	4	15.81
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	10	15.81
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	9	15.81
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	10	15.81
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	9	15.81
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	5	15.81
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	4	15.8
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	4	15.8
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	9	15.8
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	9	15.8
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	9	15.8
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	9	15.8
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	9	15.8
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	5	15.8
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	4	15.79
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	4	15.79
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	4	15.79
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	10	15.79
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	10	15.79
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	10	15.79
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	8	15.79
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	8	15.79
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	8	15.79
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	8	15.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	4	15.78
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	4	15.78
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	4	15.78
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	10	15.78
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	9	15.78
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	9	15.78
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	9	15.78
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	10	15.78
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	9	15.78
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	7	15.78
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	8	15.78
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	10	15.77
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	9	15.77
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	10	15.77
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	10	15.77
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	10	15.77
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	8	15.77
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	8	15.77
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	8	15.77
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	8	15.77
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	4	15.76
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	10	15.76
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	10	15.76
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	9	15.76
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	10	15.75
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	10	15.75
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	10	15.75
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	9	15.75
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	7	15.75
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	8	15.75
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	8	15.75
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	10	15.74
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	10	15.74
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	9	15.74
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	9	15.74
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	7	15.74
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	7	15.74
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	9	15.73
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	9	15.73
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	8	15.73
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	10	15.72
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	9	15.72
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	7	15.72
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	7	15.72
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	7	15.72
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	8	15.72
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	8	15.72
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	8	15.72
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	10	15.71
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	9	15.71
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	7	15.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	8	15.71
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	7	15.7
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	9	15.69
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	8	15.69
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	7	15.68
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	7	15.68
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	8	15.68
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	8	15.67
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	10	15.66
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	7	15.66
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	10	15.65
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	10	15.64
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	10	15.64
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	8	15.64
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	10	15.63
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	10	15.62
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	10	15.62
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	10	15.61
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	10	15.6
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	10	15.59
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	2	15.59
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	10	15.58
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	2	15.58
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	2	15.58
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	2	15.57
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	2	15.56
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	2	15.56
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	2	15.56
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	2	15.56
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	2	15.55
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	2	15.55
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	2	15.54
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	2	15.54
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	2	15.53
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	2	15.53
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	2	15.53
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	2	15.53
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	2	15.52
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	4	15.51
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	2	15.51
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	2	15.51
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	2	15.51
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	2	15.51
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	2	15.51
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	4	15.5
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	4	15.5
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	4	15.5
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	4	15.5
(1,908)	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	1:69:K:GLY:N	1	15.5
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	2	15.5
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	4	15.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	2	15.49
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	7	15.48
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	7	15.48
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	4	15.48
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	4	15.48
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	4	15.48
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	4	15.48
(1,903)	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	1:69:B:GLY:N	1	15.48
(1,902)	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	1:69:C:GLY:N	1	15.48
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	7	15.47
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	7	15.47
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	7	15.47
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	7	15.47
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	7	15.47
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	4	15.47
(1,912)	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	1:69:H:GLY:N	1	15.47
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	7	15.46
(1,909)	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	1:69:L:GLY:N	1	15.46
(1,901)	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	1:69:F:GLY:N	1	15.46
(1,911)	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	1:69:J:GLY:N	1	15.45
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	7	15.44
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	7	15.44
(1,904)	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	1:69:G:GLY:N	1	15.44
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	10	15.44
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	4	15.43
(1,910)	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	1:69:E:GLY:N	1	15.43
(1,907)	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	1:69:A:GLY:N	1	15.43
(1,906)	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	1:69:D:GLY:N	1	15.43
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	10	15.43
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	10	15.43
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	7	15.4
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	7	15.4
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	10	15.4
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	10	15.4
(1,905)	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	1:69:I:GLY:N	1	15.39
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	10	15.39
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	10	15.39
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	10	15.39
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	10	15.39
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	10	15.39
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	10	15.36
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	10	15.35
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	10	15.34
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	10	15.34
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	2	15.33
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	10	15.33
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	10	15.33
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	10	15.32
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	2	15.31
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	10	15.31
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	10	15.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	2	15.3
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	2	15.3
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	2	15.29
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	10	15.29
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	10	15.29
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	2	15.28
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	2	15.28
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	2	15.28
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	10	15.27
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	10	15.27
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	10	15.27
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	2	15.26
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	2	15.26
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	2	15.25
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	2	15.25
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	8	15.23
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	8	15.23
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	8	15.21
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	8	15.21
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	8	15.2
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	8	15.19
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	3	15.19
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	8	15.18
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	8	15.18
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	8	15.17
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	8	15.17
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	3	15.16
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	8	15.15
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	3	15.15
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	8	15.14
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	3	15.14
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	3	15.13
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	3	15.13
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	3	15.13
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	3	15.08
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	3	15.08
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	3	15.07
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	3	15.07
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	3	15.07
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	6	15.02
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	6	15.01
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	6	15.01
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	6	14.98
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	6	14.98
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	6	14.98
(1,2591)	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	1:154:H:SER:N	6	14.96
(1,2265)	1:137:A:GLU:C	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	2	14.96
(1,2261)	1:137:I:GLU:C	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	2	14.96
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	10	14.96
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	6	14.95
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	6	14.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	6	14.95
(1,2695)	1:162:L:GLN:C	1:163:L:PRO:N	1:163:L:PRO:CA	1:163:L:PRO:C	9	14.94
(1,2689)	1:162:G:GLN:C	1:163:G:PRO:N	1:163:G:PRO:CA	1:163:G:PRO:C	9	14.94
(1,2267)	1:137:K:GLU:C	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	2	14.94
(1,2266)	1:137:L:GLU:C	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	2	14.94
(1,2264)	1:137:E:GLU:C	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	2	14.94
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	6	14.94
(1,2582)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:SER:N	6	14.93
(1,2258)	1:137:F:GLU:C	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	2	14.93
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	6	14.93
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	6	14.93
(1,2257)	1:137:C:GLU:C	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	2	14.92
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	10	14.92
(1,2268)	1:137:D:GLU:C	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	2	14.91
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	10	14.91
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	10	14.91
(1,2692)	1:162:I:GLN:C	1:163:I:PRO:N	1:163:I:PRO:CA	1:163:I:PRO:C	9	14.9
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	8	14.9
(1,2589)	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	1:154:G:SER:N	6	14.89
(1,2583)	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	1:154:K:SER:N	6	14.89
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	10	14.89
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	10	14.89
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	8	14.89
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	8	14.89
(1,2693)	1:162:C:GLN:C	1:163:C:PRO:N	1:163:C:PRO:CA	1:163:C:PRO:C	9	14.88
(1,2690)	1:162:J:GLN:C	1:163:J:PRO:N	1:163:J:PRO:CA	1:163:J:PRO:C	9	14.88
(1,2588)	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	1:154:B:SER:N	6	14.88
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	10	14.88
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	8	14.88
(1,2262)	1:137:H:GLU:C	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	2	14.87
(1,2260)	1:137:G:GLU:C	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	2	14.87
(1,2259)	1:137:B:GLU:C	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	2	14.87
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	10	14.87
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	10	14.87
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	10	14.87
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	8	14.87
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	8	14.87
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	8	14.87
(1,2696)	1:162:H:GLN:C	1:163:H:PRO:N	1:163:H:PRO:CA	1:163:H:PRO:C	9	14.86
(1,2592)	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	1:154:J:SER:N	6	14.86
(1,2590)	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	1:154:I:SER:N	6	14.86
(1,2587)	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	1:154:F:SER:N	6	14.86
(1,2586)	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	1:154:C:SER:N	6	14.86
(1,2584)	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	1:154:L:SER:N	6	14.86
(1,2263)	1:137:J:GLU:C	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	2	14.86
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	8	14.86
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	8	14.86
(1,2694)	1:162:K:GLN:C	1:163:K:PRO:N	1:163:K:PRO:CA	1:163:K:PRO:C	9	14.85
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	8	14.85
(1,2691)	1:162:D:GLN:C	1:163:D:PRO:N	1:163:D:PRO:CA	1:163:D:PRO:C	9	14.84
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	5	14.84

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	5	14.84
(1,2585)	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	1:154:D:SER:N	6	14.84
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	8	14.84
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	8	14.84
(1,2700)	1:162:A:GLN:C	1:163:A:PRO:N	1:163:A:PRO:CA	1:163:A:PRO:C	9	14.83
(1,2699)	1:162:B:GLN:C	1:163:B:PRO:N	1:163:B:PRO:CA	1:163:B:PRO:C	9	14.83
(1,2698)	1:162:E:GLN:C	1:163:E:PRO:N	1:163:E:PRO:CA	1:163:E:PRO:C	9	14.83
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	5	14.83
(1,2581)	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	1:154:E:SER:N	6	14.83
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	10	14.83
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	5	14.81
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	5	14.81
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	10	14.81
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	9	14.81
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	9	14.81
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	9	14.8
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	9	14.8
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	9	14.8
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	9	14.8
(1,2697)	1:162:F:GLN:C	1:163:F:PRO:N	1:163:F:PRO:CA	1:163:F:PRO:C	9	14.79
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	5	14.79
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	5	14.79
(1,2291)	1:138:D:LEU:C	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1	14.79
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	9	14.79
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	9	14.79
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	10	14.78
(1,2284)	1:138:F:LEU:C	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1	14.78
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	5	14.77
(1,2292)	1:138:C:LEU:C	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1	14.77
(1,2285)	1:138:E:LEU:C	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1	14.77
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	9	14.77
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	9	14.77
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	5	14.76
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	10	14.76
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	10	14.76
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	9	14.76
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	5	14.75
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	5	14.75
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	5	14.74
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	10	14.74
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	10	14.74
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	1	14.74
(1,2290)	1:138:J:LEU:C	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1	14.73
(1,2289)	1:138:A:LEU:C	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1	14.73
(1,2281)	1:138:K:LEU:C	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1	14.73
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	1	14.73
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	1	14.73
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	1	14.73
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	10	14.72
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	10	14.72
(1,2283)	1:138:H:LEU:C	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1	14.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2282)	1:138:L:LEU:C	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1	14.72
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	1	14.72
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	3	14.72
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	9	14.72
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	10	14.71
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	10	14.71
(1,2286)	1:138:B:LEU:C	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1	14.71
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	1	14.71
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	1	14.71
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	10	14.7
(1,2287)	1:138:G:LEU:C	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1	14.7
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	1	14.7
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	1	14.7
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	1	14.7
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	1	14.7
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	1	14.7
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	1	14.69
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	1	14.69
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	1	14.68
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	2	14.68
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	2	14.68
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	1	14.68
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	10	14.67
(1,2288)	1:138:I:LEU:C	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1	14.67
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	3	14.67
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	2	14.67
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	1	14.66
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	8	14.66
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	8	14.66
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1	14.66
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	1	14.66
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	3	14.65
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	3	14.65
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	2	14.65
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	1	14.65
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	1	14.65
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	1	14.65
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	10	14.64
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	8	14.64
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	8	14.64
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	2	14.64
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	3	14.64
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	3	14.64
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	3	14.64
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	2	14.64
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	8	14.63
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	8	14.63
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	8	14.63
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	8	14.63
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	2	14.63
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	3	14.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	3	14.63
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	3	14.63
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	3	14.63
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	2	14.63
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	2	14.63
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	8	14.62
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	2	14.62
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	2	14.62
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	2	14.62
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	3	14.62
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	2	14.62
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	2	14.62
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	1	14.62
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	2	14.61
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	2	14.61
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	2	14.61
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	1	14.61
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	8	14.6
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	8	14.6
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	2	14.6
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	8	14.59
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	3	14.59
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	3	14.59
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	3	14.59
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	2	14.59
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	2	14.58
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	3	14.57
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	2	14.57
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	3	14.56
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	3	14.56
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	2	14.56
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	3	14.55
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	3	14.55
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	6	14.55
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	6	14.55
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	2	14.55
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	8	14.55
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	4	14.55
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	6	14.53
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	6	14.53
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	6	14.53
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	6	14.53
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	8	14.53
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	3	14.52
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	6	14.52
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	4	14.52
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	8	14.52
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	3	14.51
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	6	14.51
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	6	14.51
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	4	14.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	4	14.51
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	4	14.51
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	3	14.5
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	3	14.5
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	4	14.5
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	8	14.5
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	3	14.49
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	6	14.49
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	6	14.49
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	6	14.49
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	3	14.49
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	3	14.49
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	3	14.49
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	3	14.49
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	8	14.49
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	8	14.49
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	4	14.49
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	4	14.49
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	10	14.48
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	10	14.48
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	3	14.48
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	2	14.48
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	3	14.48
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	3	14.48
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	8	14.48
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	8	14.48
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	8	14.48
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	4	14.48
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	4	14.48
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	10	14.47
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	10	14.47
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	2	14.47
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	3	14.47
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	3	14.47
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	3	14.47
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	4	14.47
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	8	14.47
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	10	14.46
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	3	14.46
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	2	14.46
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	2	14.46
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	2	14.46
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	2	14.46
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	2	14.46
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	4	14.46
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	4	14.46
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	4	14.46
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	4	14.46
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	4	14.46
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	8	14.46
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	4	14.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	4	14.46
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	3	14.45
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	2	14.45
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	7	14.45
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	7	14.45
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	3	14.45
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	4	14.45
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	4	14.45
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	10	14.44
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	10	14.44
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	10	14.44
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	10	14.44
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	3	14.44
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	3	14.44
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	7	14.44
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	4	14.44
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	8	14.44
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	10	14.43
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	10	14.43
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	3	14.43
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	2	14.43
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	7	14.43
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	3	14.43
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	8	14.43
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	4	14.43
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	4	14.43
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	2	14.42
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	7	14.42
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	7	14.42
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	8	14.42
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	3	14.41
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	3	14.41
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	3	14.41
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	3	14.41
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	2	14.41
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	2	14.41
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	2	14.41
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	7	14.41
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	7	14.41
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	7	14.41
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	7	14.41
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	7	14.41
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	10	14.4
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	3	14.4
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	7	14.4
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	7	14.4
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	7	14.4
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	8	14.4
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	7	14.4
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	4	14.4
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	7	14.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	7	14.39
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	7	14.39
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	8	14.39
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	7	14.38
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	8	14.38
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	3	14.37
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	2	14.37
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	7	14.37
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	8	14.37
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	7	14.37
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	7	14.37
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	7	14.37
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	7	14.37
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	8	14.36
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	3	14.36
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	7	14.36
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	2	14.35
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	7	14.35
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	7	14.35
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	9	14.35
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	8	14.35
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	8	14.35
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	9	14.35
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	9	14.35
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	7	14.35
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	7	14.35
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	2	14.34
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	2	14.34
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	7	14.34
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	7	14.34
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	7	14.34
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	8	14.34
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	9	14.34
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	7	14.34
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	2	14.33
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	2	14.33
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	9	14.33
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	3	14.33
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	7	14.33
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	2	14.32
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	2	14.32
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	7	14.32
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	7	14.32
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	9	14.32
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	8	14.32
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	3	14.32
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	9	14.31
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	8	14.31
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	9	14.31
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	3	14.31
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	2	14.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	2	14.3
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	2	14.3
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	9	14.3
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	3	14.3
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	2	14.29
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	3	14.29
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	9	14.28
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	3	14.28
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	9	14.27
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	3	14.27
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	3	14.26
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	3	14.26
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	3	14.26
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	6	14.24
(1,1362)	1:90:E:LYS:N	1:90:E:LYS:CA	1:90:E:LYS:C	1:91:E:PHE:N	8	14.23
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	9	14.23
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	3	14.23
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	6	14.22
(1,1357)	1:90:H:LYS:N	1:90:H:LYS:CA	1:90:H:LYS:C	1:91:H:PHE:N	8	14.22
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	6	14.21
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	6	14.21
(1,1368)	1:90:C:LYS:N	1:90:C:LYS:CA	1:90:C:LYS:C	1:91:C:PHE:N	8	14.21
(1,1358)	1:90:B:LYS:N	1:90:B:LYS:CA	1:90:B:LYS:C	1:91:B:PHE:N	8	14.21
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	2	14.21
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	2	14.21
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	6	14.2
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	6	14.2
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	6	14.2
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	2	14.2
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	6	14.19
(1,1367)	1:90:K:LYS:N	1:90:K:LYS:CA	1:90:K:LYS:C	1:91:K:PHE:N	8	14.19
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	2	14.19
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	6	14.18
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	6	14.18
(1,1365)	1:90:L:LYS:N	1:90:L:LYS:CA	1:90:L:LYS:C	1:91:L:PHE:N	8	14.18
(1,1364)	1:90:D:LYS:N	1:90:D:LYS:CA	1:90:D:LYS:C	1:91:D:PHE:N	8	14.18
(1,1363)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PHE:N	8	14.18
(1,1359)	1:90:G:LYS:N	1:90:G:LYS:CA	1:90:G:LYS:C	1:91:G:PHE:N	8	14.18
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	1	14.18
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	6	14.17
(1,1360)	1:90:I:LYS:N	1:90:I:LYS:CA	1:90:I:LYS:C	1:91:I:PHE:N	8	14.17
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	3	14.17
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	6	14.16
(1,1366)	1:90:J:LYS:N	1:90:J:LYS:CA	1:90:J:LYS:C	1:91:J:PHE:N	8	14.16
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	2	14.16
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	2	14.16
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	2	14.16
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	1	14.15
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	3	14.15
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	3	14.15
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	2	14.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	2	14.15
(1,1361)	1:90:F:LYS:N	1:90:F:LYS:CA	1:90:F:LYS:C	1:91:F:PHE:N	8	14.14
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	2	14.14
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	1	14.13
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	3	14.13
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	3	14.13
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	2	14.13
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	2	14.13
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	1	14.11
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	3	14.11
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	3	14.11
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	3	14.11
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	1	14.1
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	3	14.1
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	1	14.09
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	1	14.09
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	3	14.09
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	1	14.08
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	1	14.08
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	3	14.08
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	3	14.08
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	1	14.07
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	1	14.07
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	4	14.05
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	1	14.05
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	4	14.04
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	5	14.04
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	4	14.02
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	4	14.02
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	4	14.02
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	4	14.02
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	4	14.01
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	5	14.01
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	4	14.01
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	4	14.0
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	5	13.99
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	5	13.99
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	5	13.99
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	5	13.99
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	5	13.99
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	4	13.99
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	4	13.99
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	4	13.98
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	4	13.98
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	5	13.98
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	5	13.98
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	4	13.98
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	4	13.97
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	4	13.97
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	4	13.97
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	4	13.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	5	13.97
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	4	13.97
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	4	13.96
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	4	13.96
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	4	13.96
(1,2762)	1:166:J:THR:C	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1	13.95
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	4	13.95
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	4	13.95
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	4	13.95
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	4	13.95
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	4	13.95
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	7	13.95
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	7	13.95
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	7	13.95
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	5	13.95
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	4	13.95
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	4	13.95
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	4	13.94
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	5	13.94
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	4	13.93
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	4	13.93
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	7	13.93
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	7	13.93
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	7	13.93
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	3	13.93
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	4	13.93
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	4	13.92
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	8	13.92
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	7	13.92
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	7	13.92
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	4	13.92
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	7	13.91
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	3	13.91
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	5	13.91
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	8	13.9
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	8	13.9
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	7	13.9
(1,2770)	1:166:L:THR:C	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1	13.89
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	4	13.89
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	8	13.89
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	8	13.89
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	3	13.89
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	3	13.89
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	3	13.89
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	5	13.89
(1,2766)	1:166:F:THR:C	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1	13.88
(1,2761)	1:166:D:THR:C	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1	13.88
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	8	13.88
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	8	13.88
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	7	13.88
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	7	13.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	3	13.88
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	5	13.88
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	5	13.88
(1,2768)	1:166:A:THR:C	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1	13.87
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	8	13.87
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	5	13.87
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	8	13.86
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1	13.86
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	10	13.86
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	5	13.86
(1,2764)	1:166:E:THR:C	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1	13.85
(1,2763)	1:166:B:THR:C	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1	13.85
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	8	13.85
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1	13.85
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	10	13.85
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	3	13.85
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	3	13.85
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	5	13.85
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	5	13.85
(1,2769)	1:166:H:THR:C	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1	13.84
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	8	13.84
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	3	13.84
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	3	13.84
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	5	13.84
(1,2772)	1:166:K:THR:C	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1	13.83
(1,2765)	1:166:G:THR:C	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1	13.83
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	10	13.83
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	10	13.83
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	10	13.83
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	10	13.83
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	3	13.83
(1,2767)	1:166:I:THR:C	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1	13.82
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1	13.82
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1	13.82
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1	13.82
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1	13.82
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	10	13.82
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	10	13.82
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	5	13.82
(1,2771)	1:166:C:THR:C	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1	13.81
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1	13.81
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	10	13.81
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	10	13.81
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	5	13.81
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	8	13.8
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1	13.8
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	3	13.8
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	5	13.8
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1	13.79
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1	13.77
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1	13.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1	13.77
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	10	13.77
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	10	13.75
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	5	13.72
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	5	13.71
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	5	13.71
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	5	13.71
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	5	13.71
(1,587)	1:44:B:PHE:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	4	13.7
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	10	13.69
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	5	13.69
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	5	13.69
(1,580)	1:44:I:PHE:C	1:45:I:ASP:N	1:45:I:ASP:CA	1:45:I:ASP:C	4	13.68
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	10	13.67
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	10	13.67
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	10	13.67
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	5	13.67
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	5	13.67
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	5	13.67
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	5	13.67
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	10	13.66
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	10	13.66
(1,585)	1:44:F:PHE:C	1:45:F:ASP:N	1:45:F:ASP:CA	1:45:F:ASP:C	4	13.66
(1,583)	1:44:L:PHE:C	1:45:L:ASP:N	1:45:L:ASP:CA	1:45:L:ASP:C	4	13.66
(1,577)	1:44:J:PHE:C	1:45:J:ASP:N	1:45:J:ASP:CA	1:45:J:ASP:C	4	13.66
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	10	13.65
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	5	13.65
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	10	13.64
(1,588)	1:44:A:PHE:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	4	13.64
(1,582)	1:44:K:PHE:C	1:45:K:ASP:N	1:45:K:ASP:CA	1:45:K:ASP:C	4	13.64
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	4	13.64
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	10	13.63
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	10	13.63
(1,586)	1:44:E:PHE:C	1:45:E:ASP:N	1:45:E:ASP:CA	1:45:E:ASP:C	4	13.63
(1,581)	1:44:G:PHE:C	1:45:G:ASP:N	1:45:G:ASP:CA	1:45:G:ASP:C	4	13.63
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	4	13.63
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	4	13.63
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	10	13.62
(1,579)	1:44:C:PHE:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	4	13.62
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	4	13.62
(1,1808)	1:113:C:ILE:C	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	1	13.61
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	10	13.61
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	5	13.61
(1,584)	1:44:H:PHE:C	1:45:H:ASP:N	1:45:H:ASP:CA	1:45:H:ASP:C	4	13.61
(1,578)	1:44:D:PHE:C	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	4	13.61
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	4	13.61
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	4	13.61
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	4	13.61
(1,1807)	1:113:I:ILE:C	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	1	13.6
(1,1801)	1:113:F:ILE:C	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1	13.59
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	4	13.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1812)	1:113:A:ILE:C	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	1	13.58
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	4	13.58
(1,1806)	1:113:L:ILE:C	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	1	13.57
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	5	13.57
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	5	13.57
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	5	13.57
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	4	13.57
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	4	13.57
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	5	13.56
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	5	13.56
(1,1803)	1:113:J:ILE:C	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1	13.55
(1,1802)	1:113:E:ILE:C	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	1	13.55
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	4	13.55
(1,1811)	1:113:B:ILE:C	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	1	13.54
(1,1810)	1:113:H:ILE:C	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1	13.54
(1,1805)	1:113:K:ILE:C	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	1	13.54
(1,1809)	1:113:G:ILE:C	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1	13.53
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	5	13.53
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	5	13.53
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	3	13.52
(1,1804)	1:113:D:ILE:C	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	1	13.52
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	5	13.52
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	5	13.51
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	5	13.51
(1,912)	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	1:69:H:GLY:N	2	13.51
(1,905)	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	1:69:I:GLY:N	2	13.51
(1,902)	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	1:69:C:GLY:N	2	13.51
(1,478)	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	1:36:L:SER:N	8	13.5
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	2	13.49
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	2	13.49
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	5	13.49
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	4	13.49
(1,1377)	1:90:I:LYS:C	1:91:I:PHE:N	1:91:I:PHE:CA	1:91:I:PHE:C	5	13.49
(1,910)	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	1:69:E:GLY:N	2	13.49
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	3	13.48
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	2	13.48
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	8	13.48
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	4	13.48
(1,903)	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	1:69:B:GLY:N	2	13.48
(1,476)	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	1:36:K:SER:N	8	13.48
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	2	13.47
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	2	13.47
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	2	13.47
(1,1371)	1:90:A:LYS:C	1:91:A:PHE:N	1:91:A:PHE:CA	1:91:A:PHE:C	5	13.47
(1,911)	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	1:69:J:GLY:N	2	13.47
(1,901)	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	1:69:F:GLY:N	2	13.47
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	3	13.46
(1,2570)	1:152:A:ASN:C	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	4	13.46
(1,1378)	1:90:F:LYS:C	1:91:F:PHE:N	1:91:F:PHE:CA	1:91:F:PHE:C	5	13.46
(1,1375)	1:90:B:LYS:C	1:91:B:PHE:N	1:91:B:PHE:CA	1:91:B:PHE:C	5	13.46
(1,909)	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	1:69:L:GLY:N	2	13.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,908)	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	1:69:K:GLY:N	2	13.46
(1,904)	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	1:69:G:GLY:N	2	13.46
(1,471)	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	1:36:G:SER:N	8	13.46
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	3	13.45
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	3	13.45
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	5	13.45
(1,2580)	1:152:J:ASN:C	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	4	13.45
(1,2573)	1:152:D:ASN:C	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	4	13.45
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	2	13.45
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	8	13.45
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	4	13.45
(1,1372)	1:90:E:LYS:C	1:91:E:PHE:N	1:91:E:PHE:CA	1:91:E:PHE:C	5	13.45
(1,1370)	1:90:L:LYS:C	1:91:L:PHE:N	1:91:L:PHE:CA	1:91:L:PHE:C	5	13.45
(1,907)	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	1:69:A:GLY:N	2	13.45
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	5	13.45
(1,480)	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	1:36:H:SER:N	8	13.45
(1,472)	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	1:36:I:SER:N	8	13.45
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	5	13.44
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	5	13.44
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	5	13.44
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	2	13.44
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	2	13.44
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	2	13.44
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	4	13.44
(1,1379)	1:90:C:LYS:C	1:91:C:PHE:N	1:91:C:PHE:CA	1:91:C:PHE:C	5	13.44
(1,1373)	1:90:J:LYS:C	1:91:J:PHE:N	1:91:J:PHE:CA	1:91:J:PHE:C	5	13.44
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	5	13.44
(1,473)	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	1:36:F:SER:N	8	13.44
(1,470)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:SER:N	8	13.44
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	6	13.44
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	3	13.43
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	3	13.43
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	5	13.43
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	5	13.43
(1,2575)	1:152:F:ASN:C	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	4	13.43
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	2	13.43
(1,1369)	1:90:K:LYS:C	1:91:K:PHE:N	1:91:K:PHE:CA	1:91:K:PHE:C	5	13.43
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	5	13.43
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	5	13.43
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	6	13.43
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	6	13.43
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	3	13.42
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	3	13.42
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	5	13.42
(1,2577)	1:152:G:ASN:C	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	4	13.42
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	4	13.42
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	8	13.42
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	4	13.42
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	4	13.42
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	4	13.42
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	4	13.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1376)	1:90:G:LYS:C	1:91:G:PHE:N	1:91:G:PHE:CA	1:91:G:PHE:C	5	13.42
(1,906)	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	1:69:D:GLY:N	2	13.42
(1,479)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:SER:N	8	13.42
(1,477)	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	1:36:E:SER:N	8	13.42
(1,475)	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	1:36:D:SER:N	8	13.42
(1,469)	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	1:36:J:SER:N	8	13.42
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	6	13.42
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	6	13.42
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	6	13.42
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	5	13.41
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	2	13.41
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	4	13.41
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	8	13.41
(1,1380)	1:90:D:LYS:C	1:91:D:PHE:N	1:91:D:PHE:CA	1:91:D:PHE:C	5	13.41
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	5	13.41
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	5	13.41
(1,474)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:SER:N	8	13.41
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	6	13.41
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	3	13.4
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	3	13.4
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	5	13.4
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	4	13.4
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	8	13.4
(1,1374)	1:90:H:LYS:C	1:91:H:PHE:N	1:91:H:PHE:CA	1:91:H:PHE:C	5	13.4
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	5	13.4
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	5	13.4
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	6	13.4
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	5	13.39
(1,2578)	1:152:I:ASN:C	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	4	13.39
(1,2574)	1:152:C:ASN:C	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	4	13.39
(1,2569)	1:152:E:ASN:C	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	4	13.39
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	8	13.39
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	6	13.39
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	3	13.38
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	5	13.38
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	5	13.38
(1,2579)	1:152:H:ASN:C	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	4	13.38
(1,2572)	1:152:L:ASN:C	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	4	13.38
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	4	13.38
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	10	13.38
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	10	13.38
(1,2576)	1:152:B:ASN:C	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	4	13.37
(1,2571)	1:152:K:ASN:C	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	4	13.37
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	10	13.37
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	8	13.37
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	8	13.37
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	8	13.37
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	5	13.37
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	5	13.37
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	6	13.37
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	6	13.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	10	13.36
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	10	13.36
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	8	13.36
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	8	13.36
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	5	13.36
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	10	13.35
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	10	13.35
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	10	13.35
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	5	13.35
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	6	13.35
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	10	13.33
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	10	13.33
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	10	13.33
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	10	13.32
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	10	13.32
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	10	13.31
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	10	13.31
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	8	13.31
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	8	13.31
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	8	13.31
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	10	13.31
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	10	13.3
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	10	13.3
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	10	13.3
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	10	13.3
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	10	13.29
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	8	13.29
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	8	13.29
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	8	13.29
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	10	13.28
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	8	13.28
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	8	13.28
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	8	13.27
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	8	13.27
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	10	13.26
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	8	13.26
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	8	13.26
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	8	13.26
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	8	13.26
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	10	13.26
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	8	13.25
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	9	13.25
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	8	13.25
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	8	13.25
(1,1420)	1:92:J:TRP:C	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1	13.24
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	8	13.24
(1,1421)	1:92:E:TRP:C	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1	13.23
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	9	13.23
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	9	13.22
(1,1427)	1:92:H:TRP:C	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1	13.21
(1,1424)	1:92:B:TRP:C	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1	13.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	9	13.21
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	8	13.21
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	8	13.21
(1,1428)	1:92:C:TRP:C	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1	13.2
(1,1426)	1:92:I:TRP:C	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1	13.2
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	9	13.2
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	9	13.2
(1,1422)	1:92:F:TRP:C	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1	13.19
(1,1418)	1:92:L:TRP:C	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1	13.19
(1,1363)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PHE:N	6	13.19
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	8	13.19
(1,1423)	1:92:A:TRP:C	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1	13.18
(1,1419)	1:92:D:TRP:C	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1	13.18
(1,1417)	1:92:K:TRP:C	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1	13.18
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	9	13.18
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	9	13.18
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	8	13.18
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	8	13.18
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	8	13.18
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	8	13.18
(1,1359)	1:90:G:LYS:N	1:90:G:LYS:CA	1:90:G:LYS:C	1:91:G:PHE:N	6	13.17
(1,1357)	1:90:H:LYS:N	1:90:H:LYS:CA	1:90:H:LYS:C	1:91:H:PHE:N	6	13.17
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	9	13.17
(1,1360)	1:90:I:LYS:N	1:90:I:LYS:CA	1:90:I:LYS:C	1:91:I:PHE:N	6	13.16
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	9	13.16
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	9	13.16
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	1	13.16
(1,1368)	1:90:C:LYS:N	1:90:C:LYS:CA	1:90:C:LYS:C	1:91:C:PHE:N	6	13.15
(1,1365)	1:90:L:LYS:N	1:90:L:LYS:CA	1:90:L:LYS:C	1:91:L:PHE:N	6	13.15
(1,1358)	1:90:B:LYS:N	1:90:B:LYS:CA	1:90:B:LYS:C	1:91:B:PHE:N	6	13.15
(1,1361)	1:90:F:LYS:N	1:90:F:LYS:CA	1:90:F:LYS:C	1:91:F:PHE:N	6	13.14
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	4	13.13
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	8	13.13
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	8	13.13
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	8	13.13
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	5	13.13
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	1	13.13
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	1	13.13
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	1	13.13
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	4	13.12
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	4	13.12
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	4	13.12
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	7	13.12
(1,1366)	1:90:J:LYS:N	1:90:J:LYS:CA	1:90:J:LYS:C	1:91:J:PHE:N	6	13.12
(1,1362)	1:90:E:LYS:N	1:90:E:LYS:CA	1:90:E:LYS:C	1:91:E:PHE:N	6	13.12
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	5	13.12
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	5	13.12
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	9	13.12
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	1	13.12
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	4	13.11
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	8	13.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1425)	1:92:G:TRP:C	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1	13.11
(1,1367)	1:90:K:LYS:N	1:90:K:LYS:CA	1:90:K:LYS:C	1:91:K:PHE:N	6	13.11
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	5	13.11
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	9	13.11
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	8	13.1
(1,1364)	1:90:D:LYS:N	1:90:D:LYS:CA	1:90:D:LYS:C	1:91:D:PHE:N	6	13.1
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	9	13.1
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	5	13.1
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	5	13.1
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	9	13.1
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	1	13.1
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	1	13.1
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	4	13.09
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	4	13.09
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	7	13.09
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	7	13.09
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	7	13.09
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	7	13.09
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	8	13.09
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	8	13.09
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	8	13.09
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	5	13.09
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	5	13.09
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	9	13.09
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	9	13.09
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	1	13.09
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	1	13.09
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	4	13.08
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	4	13.08
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	8	13.08
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	7	13.08
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	7	13.08
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	7	13.08
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	7	13.08
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	8	13.08
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	8	13.08
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	8	13.08
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	9	13.08
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	1	13.08
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	4	13.07
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	4	13.07
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	4	13.07
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	7	13.07
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	7	13.07
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	8	13.07
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	5	13.07
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	10	13.07
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	1	13.07
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	8	13.06
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	8	13.06
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	5	13.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	9	13.06
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	9	13.06
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	1	13.06
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	8	13.05
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	8	13.05
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	7	13.05
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	4	13.05
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	4	13.05
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	4	13.05
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	4	13.05
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	4	13.05
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	5	13.05
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	5	13.05
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	10	13.05
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	9	13.05
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	9	13.05
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	8	13.04
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	4	13.04
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	10	13.04
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	10	13.04
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	9	13.04
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	8	13.03
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	4	13.03
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	4	13.03
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	10	13.03
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	3	13.02
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	4	13.02
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	10	13.02
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	3	13.01
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	8	13.01
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	8	13.01
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	2	13.01
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	4	13.01
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	4	13.01
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	10	13.01
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	9	13.01
(1,97)	1:10:J:ASP:C	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	3	13.01
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	3	13.0
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	4	13.0
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	10	13.0
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	10	13.0
(1,107)	1:10:B:ASP:C	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	3	13.0
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	3	12.99
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	8	12.99
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	5	12.99
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	10	12.99
(1,103)	1:10:L:ASP:C	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	3	12.99
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	7	12.98
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	10	12.98
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	3	12.97
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	2	12.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	7	12.97
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	7	12.97
(1,98)	1:10:D:ASP:C	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	3	12.97
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	3	12.96
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	8	12.96
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	8	12.96
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	2	12.96
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	7	12.96
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	7	12.96
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	7	12.96
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	5	12.96
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	5	12.96
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	10	12.96
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	3	12.95
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	3	12.95
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	3	12.95
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	2	12.95
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	2	12.95
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	2	12.95
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	5	12.95
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	5	12.95
(1,99)	1:10:G:ASP:C	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	3	12.95
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	3	12.94
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	2	12.94
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	7	12.94
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	5	12.94
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	5	12.94
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	5	12.94
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	5	12.94
(1,102)	1:10:K:ASP:C	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	3	12.94
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	3	12.93
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	2	12.93
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	2	12.93
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	2	12.93
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	2	12.93
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	7	12.93
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	7	12.93
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	5	12.93
(1,106)	1:10:E:ASP:C	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	3	12.93
(1,105)	1:10:F:ASP:C	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	3	12.93
(1,101)	1:10:I:ASP:C	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	3	12.93
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	3	12.92
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	2	12.92
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	7	12.92
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	5	12.92
(1,108)	1:10:A:ASP:C	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	3	12.92
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	7	12.91
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	7	12.91
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	5	12.9
(1,100)	1:10:C:ASP:C	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	3	12.9
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	5	12.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	5	12.89
(1,104)	1:10:H:ASP:C	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	3	12.89
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	5	12.86
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	5	12.84
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	5	12.84
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	5	12.84
(1,1417)	1:92:K:TRP:C	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	9	12.83
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	5	12.83
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	5	12.83
(1,1427)	1:92:H:TRP:C	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	9	12.82
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	10	12.82
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	5	12.81
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	10	12.81
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	10	12.81
(1,1420)	1:92:J:TRP:C	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	9	12.8
(1,1418)	1:92:L:TRP:C	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	9	12.8
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	5	12.8
(1,1423)	1:92:A:TRP:C	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	9	12.79
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	5	12.79
(1,467)	1:34:A:ASP:C	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	7	12.79
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	5	12.78
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	10	12.77
(1,1426)	1:92:I:TRP:C	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	9	12.76
(1,1419)	1:92:D:TRP:C	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	9	12.76
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	10	12.76
(1,460)	1:34:I:ASP:C	1:35:I:GLY:N	1:35:I:GLY:CA	1:35:I:GLY:C	7	12.76
(1,1425)	1:92:G:TRP:C	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	9	12.75
(1,1424)	1:92:B:TRP:C	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	9	12.75
(1,1421)	1:92:E:TRP:C	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	9	12.75
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	10	12.75
(1,1428)	1:92:C:TRP:C	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	9	12.74
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	10	12.74
(1,466)	1:34:L:ASP:C	1:35:L:GLY:N	1:35:L:GLY:CA	1:35:L:GLY:C	7	12.74
(1,465)	1:34:E:ASP:C	1:35:E:GLY:N	1:35:E:GLY:CA	1:35:E:GLY:C	7	12.74
(1,464)	1:34:K:ASP:C	1:35:K:GLY:N	1:35:K:GLY:CA	1:35:K:GLY:C	7	12.74
(1,1422)	1:92:F:TRP:C	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	9	12.73
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	10	12.73
(1,458)	1:34:B:ASP:C	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	7	12.73
(1,457)	1:34:J:ASP:C	1:35:J:GLY:N	1:35:J:GLY:CA	1:35:J:GLY:C	7	12.73
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	4	12.72
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	10	12.72
(1,461)	1:34:F:ASP:C	1:35:F:GLY:N	1:35:F:GLY:CA	1:35:F:GLY:C	7	12.72
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	10	12.71
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	10	12.71
(1,462)	1:34:C:ASP:C	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	7	12.71
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	6	12.7
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	4	12.7
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	4	12.69
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	10	12.69
(1,459)	1:34:G:ASP:C	1:35:G:GLY:N	1:35:G:GLY:CA	1:35:G:GLY:C	7	12.69
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	6	12.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,468)	1:34:H:ASP:C	1:35:H:GLY:N	1:35:H:GLY:CA	1:35:H:GLY:C	7	12.68
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	6	12.67
(1,2599)	1:153:D:VAL:C	1:154:D:SER:N	1:154:D:SER:CA	1:154:D:SER:C	6	12.67
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	4	12.67
(1,463)	1:34:D:ASP:C	1:35:D:GLY:N	1:35:D:GLY:CA	1:35:D:GLY:C	7	12.67
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	6	12.66
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	6	12.66
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	6	12.66
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	4	12.66
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	6	12.65
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	6	12.65
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	6	12.65
(1,2601)	1:153:E:VAL:C	1:154:E:SER:N	1:154:E:SER:CA	1:154:E:SER:C	6	12.65
(1,2594)	1:153:I:VAL:C	1:154:I:SER:N	1:154:I:SER:CA	1:154:I:SER:C	6	12.65
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	4	12.65
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	4	12.65
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	4	12.64
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	6	12.63
(1,2604)	1:153:B:VAL:C	1:154:B:SER:N	1:154:B:SER:CA	1:154:B:SER:C	6	12.63
(1,2602)	1:153:F:VAL:C	1:154:F:SER:N	1:154:F:SER:CA	1:154:F:SER:C	6	12.63
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	6	12.62
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	6	12.62
(1,2598)	1:153:L:VAL:C	1:154:L:SER:N	1:154:L:SER:CA	1:154:L:SER:C	6	12.62
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	4	12.62
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	4	12.62
(1,2603)	1:153:A:VAL:C	1:154:A:SER:N	1:154:A:SER:CA	1:154:A:SER:C	6	12.61
(1,2595)	1:153:G:VAL:C	1:154:G:SER:N	1:154:G:SER:CA	1:154:G:SER:C	6	12.61
(1,2600)	1:153:J:VAL:C	1:154:J:SER:N	1:154:J:SER:CA	1:154:J:SER:C	6	12.6
(1,2596)	1:153:C:VAL:C	1:154:C:SER:N	1:154:C:SER:CA	1:154:C:SER:C	6	12.6
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	4	12.6
(1,2597)	1:153:K:VAL:C	1:154:K:SER:N	1:154:K:SER:CA	1:154:K:SER:C	6	12.59
(1,1365)	1:90:L:LYS:N	1:90:L:LYS:CA	1:90:L:LYS:C	1:91:L:PHE:N	10	12.59
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	3	12.58
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	4	12.58
(1,1358)	1:90:B:LYS:N	1:90:B:LYS:CA	1:90:B:LYS:C	1:91:B:PHE:N	10	12.58
(1,1359)	1:90:G:LYS:N	1:90:G:LYS:CA	1:90:G:LYS:C	1:91:G:PHE:N	10	12.57
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	3	12.56
(1,1363)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PHE:N	10	12.56
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	8	12.56
(1,1368)	1:90:C:LYS:N	1:90:C:LYS:CA	1:90:C:LYS:C	1:91:C:PHE:N	10	12.55
(1,1366)	1:90:J:LYS:N	1:90:J:LYS:CA	1:90:J:LYS:C	1:91:J:PHE:N	10	12.55
(1,1364)	1:90:D:LYS:N	1:90:D:LYS:CA	1:90:D:LYS:C	1:91:D:PHE:N	10	12.55
(1,1361)	1:90:F:LYS:N	1:90:F:LYS:CA	1:90:F:LYS:C	1:91:F:PHE:N	10	12.55
(1,2593)	1:153:H:VAL:C	1:154:H:SER:N	1:154:H:SER:CA	1:154:H:SER:C	6	12.53
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	3	12.53
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	3	12.53
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	3	12.53
(1,1357)	1:90:H:LYS:N	1:90:H:LYS:CA	1:90:H:LYS:C	1:91:H:PHE:N	10	12.53
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	8	12.53
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	3	12.52
(1,1360)	1:90:I:LYS:N	1:90:I:LYS:CA	1:90:I:LYS:C	1:91:I:PHE:N	10	12.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	8	12.52
(1,1362)	1:90:E:LYS:N	1:90:E:LYS:CA	1:90:E:LYS:C	1:91:E:PHE:N	10	12.5
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	8	12.5
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	8	12.5
(1,1367)	1:90:K:LYS:N	1:90:K:LYS:CA	1:90:K:LYS:C	1:91:K:PHE:N	10	12.49
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1	12.49
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	9	12.48
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1	12.48
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	8	12.48
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	8	12.48
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	8	12.48
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	9	12.47
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	9	12.47
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	9	12.47
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	9	12.47
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	3	12.47
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	8	12.47
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	9	12.46
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	3	12.46
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	3	12.46
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	3	12.46
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1	12.46
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1	12.46
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	9	12.45
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	5	12.45
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	3	12.45
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	3	12.45
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1	12.45
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	8	12.45
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	5	12.44
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1	12.44
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1	12.44
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1	12.44
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	8	12.44
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	9	12.43
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	9	12.43
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	5	12.43
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1	12.43
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	9	12.42
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	5	12.42
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	5	12.42
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	5	12.42
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	5	12.42
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	5	12.42
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	8	12.42
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	9	12.41
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	5	12.41
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	5	12.41
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	5	12.41
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	5	12.41
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	5	12.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1810)	1:113:H:ILE:C	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	2	12.41
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	9	12.4
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	5	12.4
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	5	12.4
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	5	12.4
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1	12.4
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1	12.4
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1	12.4
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	5	12.39
(1,1809)	1:113:G:ILE:C	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	2	12.39
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	5	12.38
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	5	12.38
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	7	12.38
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	5	12.37
(1,1812)	1:113:A:ILE:C	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	2	12.37
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	5	12.36
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	5	12.36
(1,1803)	1:113:J:ILE:C	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	2	12.36
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	7	12.36
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	5	12.35
(1,1811)	1:113:B:ILE:C	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	2	12.35
(1,1802)	1:113:E:ILE:C	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	2	12.35
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	7	12.35
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	7	12.35
(1,1804)	1:113:D:ILE:C	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	2	12.34
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	5	12.34
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	7	12.34
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	5	12.33
(1,1808)	1:113:C:ILE:C	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	2	12.33
(1,1801)	1:113:F:ILE:C	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	2	12.33
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	5	12.33
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	7	12.33
(1,1807)	1:113:I:ILE:C	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	2	12.32
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	5	12.32
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	7	12.32
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	7	12.32
(1,1806)	1:113:L:ILE:C	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	2	12.31
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	7	12.31
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	5	12.29
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	5	12.29
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	5	12.29
(1,1805)	1:113:K:ILE:C	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	2	12.28
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	7	12.28
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	7	12.28
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	7	12.27
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	5	12.27
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	5	12.27
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	5	12.27
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	5	12.27
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	7	12.27
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	7	12.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	7	12.26
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	7	12.26
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	5	12.26
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	5	12.25
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	7	12.24
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	7	12.23
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	7	12.22
(1,294)	1:18:B:ILE:C	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	8	12.22
(1,293)	1:18:F:ILE:C	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	8	12.21
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	7	12.19
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	7	12.19
(1,297)	1:18:H:ILE:C	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	8	12.19
(1,291)	1:18:A:ILE:C	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	8	12.19
(1,298)	1:18:L:ILE:C	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	8	12.18
(1,295)	1:18:G:ILE:C	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	8	12.18
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	7	12.17
(1,300)	1:18:K:ILE:C	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	8	12.17
(1,296)	1:18:I:ILE:C	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	8	12.15
(1,292)	1:18:E:ILE:C	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	8	12.15
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	7	12.14
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	7	12.13
(1,290)	1:18:D:ILE:C	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	8	12.13
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	9	12.1
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	9	12.1
(1,289)	1:18:J:ILE:C	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	8	12.09
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	9	12.08
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	9	12.08
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	9	12.08
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	9	12.07
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	9	12.07
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	9	12.07
(1,299)	1:18:C:ILE:C	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	8	12.07
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	9	12.06
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	9	12.05
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	9	12.05
(1,300)	1:18:K:ILE:C	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	6	12.05
(1,290)	1:18:D:ILE:C	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	6	12.04
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	9	12.03
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1	12.03
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	5	12.02
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1	12.02
(1,296)	1:18:I:ILE:C	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	6	12.02
(1,2040)	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	1:128:J:ILE:N	6	12.01
(1,293)	1:18:F:ILE:C	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	6	12.01
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	5	12.0
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	5	11.99
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	5	11.98
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1	11.98
(1,294)	1:18:B:ILE:C	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	6	11.98
(1,291)	1:18:A:ILE:C	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	6	11.98
(1,2033)	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	1:128:I:ILE:N	6	11.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	5	11.97
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	5	11.97
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	5	11.97
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	7	11.97
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	7	11.97
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1	11.97
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	5	11.96
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	5	11.96
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1	11.96
(1,297)	1:18:H:ILE:C	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	6	11.96
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	7	11.96
(1,2034)	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	1:128:L:ILE:N	6	11.95
(1,2032)	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	1:128:G:ILE:N	6	11.95
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	7	11.95
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1	11.95
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	7	11.95
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	7	11.95
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	5	11.94
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	5	11.94
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	7	11.94
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1	11.94
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1	11.94
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	7	11.94
(1,295)	1:18:G:ILE:C	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	6	11.94
(1,292)	1:18:E:ILE:C	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	6	11.94
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	2	11.93
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	9	11.93
(1,2029)	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	1:128:F:ILE:N	6	11.93
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	5	11.93
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1	11.93
(1,299)	1:18:C:ILE:C	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	6	11.93
(1,298)	1:18:L:ILE:C	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	6	11.93
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	7	11.93
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	7	11.93
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	2	11.92
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	5	11.92
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	9	11.92
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	9	11.92
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	9	11.92
(1,2039)	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	1:128:H:ILE:N	6	11.92
(1,2037)	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	1:128:A:ILE:N	6	11.92
(1,2036)	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	1:128:E:ILE:N	6	11.92
(1,2035)	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	1:128:D:ILE:N	6	11.92
(1,2030)	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	1:128:C:ILE:N	6	11.92
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	7	11.92
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1	11.92
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1	11.92
(1,289)	1:18:J:ILE:C	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	6	11.92
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	7	11.92
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	9	11.91
(1,2038)	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	1:128:K:ILE:N	6	11.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2031)	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	1:128:B:ILE:N	6	11.91
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	7	11.91
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	7	11.91
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	7	11.91
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	7	11.91
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	7	11.91
(1,48)	1:7:A:MET:N	1:7:A:MET:CA	1:7:A:MET:C	1:8:A:GLY:N	10	11.91
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	2	11.9
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	2	11.9
(1,2575)	1:152:F:ASN:C	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	3	11.9
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	9	11.9
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	9	11.9
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1	11.9
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	7	11.9
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	7	11.9
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	7	11.9
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	7	11.9
(1,47)	1:7:B:MET:N	1:7:B:MET:CA	1:7:B:MET:C	1:8:B:GLY:N	10	11.9
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	8	11.89
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	8	11.89
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	8	11.89
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	2	11.89
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	2	11.89
(1,2577)	1:152:G:ASN:C	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	3	11.89
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	9	11.89
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	9	11.89
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	9	11.89
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	7	11.89
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	7	11.89
(1,37)	1:7:F:MET:N	1:7:F:MET:CA	1:7:F:MET:C	1:8:F:GLY:N	10	11.89
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	8	11.88
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	8	11.88
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	8	11.88
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	2	11.88
(1,2579)	1:152:H:ASN:C	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	3	11.88
(1,2578)	1:152:I:ASN:C	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	3	11.88
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	9	11.88
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	7	11.88
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	7	11.88
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	7	11.88
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	7	11.88
(1,46)	1:7:I:MET:N	1:7:I:MET:CA	1:7:I:MET:C	1:8:I:GLY:N	10	11.88
(1,40)	1:7:D:MET:N	1:7:D:MET:CA	1:7:D:MET:C	1:8:D:GLY:N	10	11.88
(1,2576)	1:152:B:ASN:C	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	3	11.87
(1,2574)	1:152:C:ASN:C	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	3	11.87
(1,2572)	1:152:L:ASN:C	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	3	11.87
(1,2571)	1:152:K:ASN:C	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	3	11.87
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	5	11.87
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	5	11.87
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	5	11.87
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	5	11.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	5	11.87
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	7	11.87
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	7	11.87
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	7	11.87
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	7	11.87
(1,44)	1:7:G:MET:N	1:7:G:MET:CA	1:7:G:MET:C	1:8:G:GLY:N	10	11.87
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	8	11.86
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	2	11.86
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	2	11.86
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	2	11.86
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	5	11.86
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	7	11.86
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	7	11.86
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	7	11.86
(1,42)	1:7:L:MET:N	1:7:L:MET:CA	1:7:L:MET:C	1:8:L:GLY:N	10	11.86
(1,39)	1:7:J:MET:N	1:7:J:MET:CA	1:7:J:MET:C	1:8:J:GLY:N	10	11.86
(1,38)	1:7:E:MET:N	1:7:E:MET:CA	1:7:E:MET:C	1:8:E:GLY:N	10	11.86
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	8	11.85
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	8	11.85
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	2	11.85
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	9	11.85
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	10	11.85
(1,43)	1:7:C:MET:N	1:7:C:MET:CA	1:7:C:MET:C	1:8:C:GLY:N	10	11.85
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	8	11.84
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	8	11.84
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	2	11.84
(1,2573)	1:152:D:ASN:C	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	3	11.84
(1,2569)	1:152:E:ASN:C	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	3	11.84
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	10	11.84
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	7	11.84
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	8	11.84
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	7	11.84
(1,2580)	1:152:J:ASN:C	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	3	11.83
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	5	11.83
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	5	11.83
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	5	11.83
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	10	11.83
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	8	11.83
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	8	11.82
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	8	11.82
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	8	11.82
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	8	11.82
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	8	11.82
(1,45)	1:7:H:MET:N	1:7:H:MET:CA	1:7:H:MET:C	1:8:H:GLY:N	10	11.82
(1,2570)	1:152:A:ASN:C	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	3	11.81
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	10	11.81
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	10	11.81
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	10	11.81
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	8	11.81
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	8	11.81
(1,41)	1:7:K:MET:N	1:7:K:MET:CA	1:7:K:MET:C	1:8:K:GLY:N	10	11.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	5	11.8
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	10	11.8
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	10	11.8
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	10	11.8
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	8	11.8
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	8	11.8
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	10	11.8
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	10	11.79
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	10	11.79
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	10	11.79
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	8	11.79
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	8	11.77
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	5	11.76
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	10	11.76
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	10	11.76
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	9	11.75
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	9	11.75
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	9	11.75
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	10	11.75
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	10	11.75
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	9	11.74
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	10	11.74
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	9	11.73
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	10	11.72
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	9	11.71
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	10	11.71
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	10	11.71
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	10	11.71
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	10	11.71
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	9	11.7
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	9	11.7
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	10	11.7
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	9	11.69
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	9	11.68
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	7	11.68
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	7	11.68
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	9	11.67
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	9	11.67
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	1	11.67
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	1	11.66
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	2	11.65
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	1	11.65
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	5	11.65
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	2	11.64
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	1	11.64
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	1	11.64
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	7	11.64
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	4	11.63
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	1	11.63
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	5	11.63
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	2	11.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	4	11.62
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	1	11.62
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	1	11.62
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	1	11.62
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	1	11.62
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	3	11.62
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	10	11.62
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	7	11.62
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	7	11.62
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	7	11.62
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	1	11.61
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	5	11.61
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	1	11.61
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	5	11.61
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	3	11.61
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	10	11.61
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	10	11.61
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	10	11.61
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	10	11.61
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	10	11.61
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	7	11.61
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	7	11.61
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	2	11.6
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	5	11.6
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	5	11.6
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	5	11.6
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	10	11.6
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	10	11.6
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	4	11.59
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	4	11.59
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	5	11.59
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	5	11.59
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	5	11.59
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	3	11.59
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	10	11.59
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	7	11.59
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	7	11.59
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	2	11.58
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	2	11.58
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	4	11.58
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	3	11.58
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	3	11.58
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	3	11.58
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	3	11.58
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	10	11.58
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	7	11.58
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	2	11.57
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	4	11.57
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	4	11.57
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	5	11.57
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	2	11.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	2	11.56
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	2	11.56
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	4	11.56
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	4	11.56
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	10	11.56
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	3	11.56
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	3	11.56
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	7	11.56
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	4	11.55
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	4	11.55
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	4	11.55
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	5	11.55
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	10	11.55
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	3	11.55
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	10	11.55
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	2	11.54
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	2	11.53
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	3	11.53
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	3	11.53
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	10	11.53
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	10	11.52
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	10	11.52
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	10	11.52
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	10	11.51
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	10	11.51
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	2	11.51
(1,910)	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	1:69:E:GLY:N	5	11.51
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	10	11.5
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	10	11.5
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	10	11.49
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	10	11.49
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	2	11.49
(1,909)	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	1:69:L:GLY:N	5	11.49
(1,907)	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	1:69:A:GLY:N	5	11.49
(1,906)	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	1:69:D:GLY:N	5	11.49
(1,904)	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	1:69:G:GLY:N	5	11.49
(1,903)	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	1:69:B:GLY:N	5	11.49
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	10	11.48
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	2	11.48
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	2	11.48
(1,901)	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	1:69:F:GLY:N	5	11.48
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	2	11.47
(1,905)	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	1:69:I:GLY:N	5	11.47
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	2	11.46
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	2	11.46
(1,911)	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	1:69:J:GLY:N	5	11.46
(1,902)	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	1:69:C:GLY:N	5	11.46
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	7	11.45
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	7	11.45
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	7	11.45
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	2	11.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	2	11.45
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	2	11.45
(1,912)	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	1:69:H:GLY:N	5	11.44
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	7	11.43
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	7	11.43
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	7	11.42
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	2	11.42
(1,908)	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	1:69:K:GLY:N	5	11.42
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	7	11.41
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	7	11.41
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	7	11.41
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	7	11.4
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	7	11.4
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	5	11.4
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	7	11.39
(1,1502)	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1:101:C:ASN:N	6	11.39
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	5	11.39
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	5	11.39
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	5	11.39
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	5	11.39
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	5	11.38
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	2	11.38
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	5	11.38
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	5	11.37
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	2	11.37
(1,1511)	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1:101:A:ASN:N	6	11.36
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	5	11.36
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	5	11.36
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	5	11.35
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	5	11.35
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	5	11.35
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	5	11.35
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	5	11.35
(1,1508)	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1:101:J:ASN:N	6	11.34
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	5	11.34
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	5	11.34
(1,1507)	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1:101:H:ASN:N	6	11.33
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	5	11.33
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	5	11.33
(1,1509)	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1:101:E:ASN:N	6	11.32
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	5	11.32
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	2	11.31
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	2	11.31
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	5	11.31
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	5	11.31
(1,1505)	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1:101:I:ASN:N	6	11.3
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	2	11.3
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	2	11.3
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	5	11.3
(1,1510)	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1:101:K:ASN:N	6	11.29
(1,1504)	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1:101:F:ASN:N	6	11.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1503)	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1:101:G:ASN:N	6	11.29
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	5	11.29
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	2	11.28
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	2	11.28
(1,1501)	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1:101:B:ASN:N	6	11.27
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	2	11.27
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	5	11.27
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	9	11.26
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1	11.26
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	2	11.26
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	5	11.26
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1	11.25
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	2	11.25
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	2	11.25
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	5	11.25
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	5	11.25
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	5	11.25
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1	11.24
(1,1512)	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1:101:D:ASN:N	6	11.24
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	2	11.24
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	5	11.24
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1	11.23
(1,1506)	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1:101:L:ASN:N	6	11.23
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	5	11.23
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	9	11.22
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	9	11.22
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	9	11.22
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	5	11.22
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	5	11.22
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	5	11.22
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	5	11.22
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	5	11.22
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	6	11.22
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	9	11.2
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	9	11.2
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	9	11.2
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	9	11.2
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1	11.2
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1	11.2
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1	11.2
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	9	11.2
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	9	11.2
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	6	11.2
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	6	11.2
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	9	11.19
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	9	11.19
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1	11.19
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	9	11.19
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	4	11.19
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	10	11.19
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	10	11.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	6	11.19
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	4	11.18
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	10	11.18
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	6	11.18
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	6	11.18
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	9	11.17
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1	11.17
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	9	11.17
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	2	11.17
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	10	11.17
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	6	11.17
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	9	11.16
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	9	11.16
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	2	11.16
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	2	11.16
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	2	11.16
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	2	11.16
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	6	11.16
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	6	11.16
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	9	11.15
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	9	11.15
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	9	11.15
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	9	11.15
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	10	11.15
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	10	11.15
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	6	11.15
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	6	11.15
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1	11.14
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	9	11.14
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	2	11.14
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	4	11.14
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	10	11.14
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	10	11.14
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	6	11.14
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1	11.13
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	1	11.13
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	2	11.13
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	9	11.13
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1	11.12
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	9	11.12
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	2	11.12
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	2	11.12
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	2	11.12
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	9	11.11
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	4	11.11
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	9	11.11
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	9	11.11
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	10	11.11
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	10	11.11
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	1	11.1
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	1	11.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	4	11.1
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	9	11.1
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	9	11.1
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	10	11.1
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	10	11.1
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	2	11.09
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	2	11.09
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	4	11.09
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	9	11.09
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	9	11.09
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	9	11.09
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	1	11.08
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	8	11.08
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	9	11.08
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	9	11.08
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	9	11.08
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	9	11.08
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	4	11.06
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	4	11.06
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	8	11.05
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	8	11.05
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	8	11.05
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	4	11.05
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	4	11.05
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	1	11.04
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	1	11.04
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	1	11.03
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	8	11.03
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	8	11.03
(1,1055)	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	1:78:K:ALA:N	2	11.03
(1,1054)	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	1:78:E:ALA:N	2	11.03
(1,484)	1:35:F:GLY:C	1:36:F:SER:N	1:36:F:SER:CA	1:36:F:SER:C	1	11.03
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	4	11.03
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1	11.02
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	1	11.02
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	1	11.02
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	1	11.02
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	8	11.02
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	2	11.02
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	4	11.02
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1	11.01
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	8	11.01
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	2	11.01
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	2	11.01
(1,1048)	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	1:78:B:ALA:N	2	11.01
(1,491)	1:35:K:GLY:C	1:36:K:SER:N	1:36:K:SER:CA	1:36:K:SER:C	1	11.01
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	1	11.0
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	8	11.0
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	8	11.0
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	2	11.0
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1	10.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	1	10.99
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	8	10.99
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	8	10.99
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	6	10.99
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	6	10.99
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	6	10.99
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	2	10.99
(1,1047)	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	1:78:F:ALA:N	2	10.99
(1,486)	1:35:B:GLY:C	1:36:B:SER:N	1:36:B:SER:CA	1:36:B:SER:C	1	10.99
(1,481)	1:35:L:GLY:C	1:36:L:SER:N	1:36:L:SER:CA	1:36:L:SER:C	1	10.99
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	7	10.98
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	7	10.98
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1	10.98
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1	10.98
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	2	10.98
(1,485)	1:35:E:GLY:C	1:36:E:SER:N	1:36:E:SER:CA	1:36:E:SER:C	1	10.98
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	7	10.97
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	7	10.97
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1	10.97
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1	10.97
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	6	10.97
(1,492)	1:35:C:GLY:C	1:36:C:SER:N	1:36:C:SER:CA	1:36:C:SER:C	1	10.97
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	7	10.96
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	6	10.96
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	6	10.96
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	2	10.96
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	2	10.96
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	2	10.96
(1,1056)	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	1:78:L:ALA:N	2	10.96
(1,1052)	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	1:78:J:ALA:N	2	10.96
(1,1049)	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	1:78:G:ALA:N	2	10.96
(1,489)	1:35:J:GLY:C	1:36:J:SER:N	1:36:J:SER:CA	1:36:J:SER:C	1	10.96
(1,487)	1:35:G:GLY:C	1:36:G:SER:N	1:36:G:SER:CA	1:36:G:SER:C	1	10.96
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	7	10.95
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1	10.95
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1	10.95
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	2	10.95
(1,490)	1:35:D:GLY:C	1:36:D:SER:N	1:36:D:SER:CA	1:36:D:SER:C	1	10.95
(1,488)	1:35:I:GLY:C	1:36:I:SER:N	1:36:I:SER:CA	1:36:I:SER:C	1	10.95
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1	10.94
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	6	10.94
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	6	10.94
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	6	10.94
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	2	10.94
(1,1050)	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	1:78:I:ALA:N	2	10.94
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	7	10.93
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	7	10.93
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	7	10.93
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1	10.93
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	6	10.93
(1,1053)	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	1:78:A:ALA:N	2	10.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1051)	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	1:78:H:ALA:N	2	10.93
(1,1046)	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	1:78:C:ALA:N	2	10.93
(1,483)	1:35:A:GLY:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	1	10.93
(1,81)	1:9:A:GLN:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	6	10.93
(1,78)	1:9:J:GLN:C	1:10:J:ASP:N	1:10:J:ASP:CA	1:10:J:ASP:C	6	10.93
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	6	10.92
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	2	10.92
(1,482)	1:35:H:GLY:C	1:36:H:SER:N	1:36:H:SER:CA	1:36:H:SER:C	1	10.92
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	7	10.91
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	7	10.91
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	7	10.91
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1	10.91
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	6	10.91
(1,82)	1:9:L:GLN:C	1:10:L:ASP:N	1:10:L:ASP:CA	1:10:L:ASP:C	6	10.9
(1,74)	1:9:C:GLN:C	1:10:C:ASP:N	1:10:C:ASP:CA	1:10:C:ASP:C	6	10.9
(1,76)	1:9:F:GLN:C	1:10:F:ASP:N	1:10:F:ASP:CA	1:10:F:ASP:C	6	10.89
(1,1045)	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	1:78:D:ALA:N	2	10.87
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	6	10.86
(1,79)	1:9:H:GLN:C	1:10:H:ASP:N	1:10:H:ASP:CA	1:10:H:ASP:C	6	10.86
(1,77)	1:9:I:GLN:C	1:10:I:ASP:N	1:10:I:ASP:CA	1:10:I:ASP:C	6	10.86
(1,84)	1:9:D:GLN:C	1:10:D:ASP:N	1:10:D:ASP:CA	1:10:D:ASP:C	6	10.85
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	6	10.84
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	6	10.84
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	6	10.84
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	6	10.84
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	6	10.84
(1,83)	1:9:E:GLN:C	1:10:E:ASP:N	1:10:E:ASP:CA	1:10:E:ASP:C	6	10.84
(1,75)	1:9:G:GLN:C	1:10:G:ASP:N	1:10:G:ASP:CA	1:10:G:ASP:C	6	10.84
(1,73)	1:9:B:GLN:C	1:10:B:ASP:N	1:10:B:ASP:CA	1:10:B:ASP:C	6	10.84
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	6	10.83
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	6	10.83
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	6	10.82
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	6	10.81
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	6	10.81
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	6	10.81
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	6	10.79
(1,80)	1:9:K:GLN:C	1:10:K:ASP:N	1:10:K:ASP:CA	1:10:K:ASP:C	6	10.79
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	10	10.75
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	3	10.74
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	3	10.74
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	6	10.73
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	3	10.73
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	10	10.71
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	10	10.71
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	3	10.71
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	3	10.71
(1,105)	1:10:F:ASP:C	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	7	10.71
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	10	10.7
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	6	10.7
(1,106)	1:10:E:ASP:C	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	7	10.7
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	6	10.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	6	10.69
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	3	10.69
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	10	10.68
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	10	10.68
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	10	10.68
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	10	10.68
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	3	10.68
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	3	10.68
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	3	10.68
(1,103)	1:10:L:ASP:C	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	7	10.68
(1,101)	1:10:I:ASP:C	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	7	10.68
(1,98)	1:10:D:ASP:C	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	7	10.68
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	3	10.68
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	3	10.68
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	3	10.68
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	3	10.68
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	6	10.67
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	6	10.67
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	6	10.67
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	3	10.67
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	3	10.67
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	10	10.66
(1,1257)	1:85:F:ASN:C	1:86:F:GLY:N	1:86:F:GLY:CA	1:86:F:GLY:C	2	10.66
(1,107)	1:10:B:ASP:C	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	7	10.66
(1,102)	1:10:K:ASP:C	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	7	10.66
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	10	10.65
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	10	10.65
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	10	10.65
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	3	10.65
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	6	10.65
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	6	10.65
(1,1259)	1:85:C:ASN:C	1:86:C:GLY:N	1:86:C:GLY:CA	1:86:C:GLY:C	2	10.65
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	3	10.65
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	3	10.65
(1,104)	1:10:H:ASP:C	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	7	10.65
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	3	10.64
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	3	10.64
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	6	10.64
(1,1254)	1:85:E:ASN:C	1:86:E:GLY:N	1:86:E:GLY:CA	1:86:E:GLY:C	2	10.64
(1,1252)	1:85:I:ASN:C	1:86:I:GLY:N	1:86:I:GLY:CA	1:86:I:GLY:C	2	10.64
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	3	10.64
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	3	10.64
(1,100)	1:10:C:ASP:C	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	7	10.64
(1,99)	1:10:G:ASP:C	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	7	10.64
(1,97)	1:10:J:ASP:C	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	7	10.64
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	3	10.64
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	3	10.63
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	3	10.63
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	3	10.63
(1,1260)	1:85:B:ASN:C	1:86:B:GLY:N	1:86:B:GLY:CA	1:86:B:GLY:C	2	10.63
(1,108)	1:10:A:ASP:C	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	7	10.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	3	10.63
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	3	10.62
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	3	10.62
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	3	10.62
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	6	10.62
(1,1250)	1:85:A:ASN:C	1:86:A:GLY:N	1:86:A:GLY:CA	1:86:A:GLY:C	2	10.62
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	3	10.62
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	3	10.62
(1,1255)	1:85:J:ASN:C	1:86:J:GLY:N	1:86:J:GLY:CA	1:86:J:GLY:C	2	10.61
(1,1253)	1:85:L:ASN:C	1:86:L:GLY:N	1:86:L:GLY:CA	1:86:L:GLY:C	2	10.61
(1,1251)	1:85:K:ASN:C	1:86:K:GLY:N	1:86:K:GLY:CA	1:86:K:GLY:C	2	10.61
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	3	10.61
(1,1249)	1:85:D:ASN:C	1:86:D:GLY:N	1:86:D:GLY:CA	1:86:D:GLY:C	2	10.6
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	6	10.6
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	3	10.6
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	3	10.6
(1,1256)	1:85:H:ASN:C	1:86:H:GLY:N	1:86:H:GLY:CA	1:86:H:GLY:C	2	10.59
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	6	10.59
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	3	10.59
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	8	10.58
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	2	10.58
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	8	10.57
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	8	10.57
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	2	10.57
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	2	10.56
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	2	10.56
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	4	10.56
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	8	10.55
(1,1258)	1:85:G:ASN:C	1:86:G:GLY:N	1:86:G:GLY:CA	1:86:G:GLY:C	2	10.55
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	6	10.55
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	6	10.55
(1,1420)	1:92:J:TRP:C	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	2	10.54
(1,1418)	1:92:L:TRP:C	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	2	10.54
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	2	10.54
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	2	10.54
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	4	10.54
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	8	10.53
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	8	10.53
(1,1428)	1:92:C:TRP:C	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	2	10.53
(1,1423)	1:92:A:TRP:C	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	2	10.53
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	2	10.53
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	2	10.53
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	2	10.53
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	4	10.53
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	8	10.52
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	8	10.52
(1,1426)	1:92:I:TRP:C	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	2	10.52
(1,1421)	1:92:E:TRP:C	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	2	10.52
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	8	10.51
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	8	10.51
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	2	10.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	6	10.51
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	6	10.51
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	6	10.51
(1,1427)	1:92:H:TRP:C	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	2	10.5
(1,1424)	1:92:B:TRP:C	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	2	10.5
(1,1417)	1:92:K:TRP:C	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	2	10.5
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	2	10.5
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	2	10.5
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	8	10.49
(1,1425)	1:92:G:TRP:C	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	2	10.49
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	4	10.49
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	4	10.49
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	6	10.49
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	4	10.48
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	4	10.48
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	6	10.48
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	8	10.47
(1,1422)	1:92:F:TRP:C	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	2	10.47
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	4	10.47
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	6	10.47
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	6	10.47
(1,1419)	1:92:D:TRP:C	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	2	10.46
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	4	10.46
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	10	10.46
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	10	10.46
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	6	10.46
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	4	10.45
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	10	10.44
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	6	10.44
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	4	10.43
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	6	10.43
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	4	10.42
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	10	10.42
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	10	10.42
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	6	10.42
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	6	10.42
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	5	10.41
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	10	10.41
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	6	10.41
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	5	10.4
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	10	10.4
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	10	10.4
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	6	10.4
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	5	10.39
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	6	10.39
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	6	10.39
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	6	10.39
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	5	10.38
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	5	10.38
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	10	10.38
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	5	10.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	5	10.37
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	10	10.37
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	10	10.37
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	6	10.37
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	10	10.36
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	6	10.36
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	6	10.36
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	8	10.35
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	8	10.35
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	5	10.35
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	5	10.35
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	8	10.34
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	5	10.34
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	5	10.34
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	5	10.34
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	8	10.33
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	5	10.33
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	8	10.32
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	8	10.32
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	8	10.32
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	8	10.32
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	9	10.32
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	9	10.32
(1,1049)	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	1:78:G:ALA:N	9	10.32
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	9	10.31
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	9	10.31
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	9	10.31
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	5	10.31
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	8	10.3
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	8	10.3
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	8	10.3
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	9	10.3
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	9	10.3
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	9	10.3
(1,1054)	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	1:78:E:ALA:N	9	10.3
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	8	10.29
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	9	10.29
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	9	10.28
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	5	10.28
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	5	10.28
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	5	10.28
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	9	10.27
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	9	10.27
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	5	10.27
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	5	10.27
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	5	10.27
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	5	10.27
(1,1047)	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	1:78:F:ALA:N	9	10.27
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	5	10.26
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	5	10.26
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	5	10.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1055)	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	1:78:K:ALA:N	9	10.26
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	5	10.25
(1,1046)	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	1:78:C:ALA:N	9	10.25
(1,2764)	1:166:E:THR:C	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	2	10.24
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	5	10.24
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	8	10.24
(1,2766)	1:166:F:THR:C	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	2	10.23
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	5	10.23
(1,1048)	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	1:78:B:ALA:N	9	10.23
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	8	10.23
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	8	10.23
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	5	10.22
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	5	10.22
(1,1056)	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	1:78:L:ALA:N	9	10.22
(1,1053)	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	1:78:A:ALA:N	9	10.22
(1,1052)	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	1:78:J:ALA:N	9	10.22
(1,1050)	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	1:78:I:ALA:N	9	10.22
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	8	10.22
(1,2770)	1:166:L:THR:C	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	2	10.21
(1,2765)	1:166:G:THR:C	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	2	10.21
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	5	10.21
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	5	10.21
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	8	10.21
(1,2769)	1:166:H:THR:C	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	2	10.2
(1,2763)	1:166:B:THR:C	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	2	10.2
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	5	10.2
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	5	10.2
(1,1051)	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	1:78:H:ALA:N	9	10.2
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	4	10.2
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	8	10.2
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	8	10.2
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	8	10.2
(1,2767)	1:166:I:THR:C	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	2	10.19
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	5	10.19
(1,1045)	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	1:78:D:ALA:N	9	10.19
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	4	10.19
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	4	10.19
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	4	10.19
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	8	10.19
(1,2762)	1:166:J:THR:C	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	2	10.18
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	5	10.18
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	2	10.18
(1,2761)	1:166:D:THR:C	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	2	10.17
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	5	10.17
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	1	10.17
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	1	10.17
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	4	10.17
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	4	10.17
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	1	10.16
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	2	10.16
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	4	10.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	4	10.16
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	4	10.16
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	8	10.16
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	8	10.16
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	8	10.16
(1,2771)	1:166:C:THR:C	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	2	10.15
(1,2768)	1:166:A:THR:C	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	2	10.15
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	1	10.15
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	2	10.15
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	4	10.15
(1,2772)	1:166:K:THR:C	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	2	10.14
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	1	10.14
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	1	10.14
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	4	10.14
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	2	10.13
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	2	10.13
(1,2103)	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	1:131:K:SER:N	6	10.13
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	1	10.13
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	1	10.13
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	2	10.13
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	4	10.13
(1,2107)	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	1:131:C:SER:N	6	10.12
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	1	10.12
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	1	10.12
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	1	10.12
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	2	10.12
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	2	10.12
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	2	10.12
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	2	10.12
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	2	10.11
(1,2111)	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	1:131:J:SER:N	6	10.11
(1,2101)	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	1:131:A:SER:N	6	10.11
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	1	10.11
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	1	10.11
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	2	10.11
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	2	10.1
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	8	10.1
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	8	10.1
(1,2110)	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	1:131:B:SER:N	6	10.1
(1,2109)	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	1:131:G:SER:N	6	10.1
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	1	10.1
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	1	10.1
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	1	10.1
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	1	10.1
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	2	10.1
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	2	10.1
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	2	10.09
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	2	10.09
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	2	10.09
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	2	10.09
(1,2105)	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	1:131:I:SER:N	6	10.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	2	10.08
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	8	10.08
(1,2108)	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	1:131:F:SER:N	6	10.08
(1,2102)	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	1:131:E:SER:N	6	10.08
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	1	10.08
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	1	10.08
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	1	10.08
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	2	10.08
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	2	10.07
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	2	10.07
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	8	10.07
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	8	10.07
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	8	10.07
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	8	10.07
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	8	10.07
(1,2106)	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	1:131:D:SER:N	6	10.07
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	1	10.07
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	1	10.07
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	8	10.05
(1,2112)	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	1:131:H:SER:N	6	10.05
(1,2104)	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	1:131:L:SER:N	6	10.05
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	1	10.05
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	2	10.04
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	8	10.04
(1,2536)	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	1:152:G:ASN:N	6	10.03
(1,2542)	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	1:152:E:ASN:N	6	10.02
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	8	10.02
(1,2539)	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1:152:A:ASN:N	6	10.01
(1,2537)	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	1:152:I:ASN:N	6	10.01
(1,2541)	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	1:152:L:ASN:N	6	10.0
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	8	10.0
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	1	10.0
(1,2544)	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	1:152:H:ASN:N	6	9.99
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	10	9.99
(1,62)	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1:10:I:ASP:N	6	9.99
(1,61)	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1:10:H:ASP:N	6	9.99
(1,2540)	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	1:152:K:ASN:N	6	9.98
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	10	9.98
(1,71)	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1:10:F:ASP:N	6	9.98
(1,65)	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1:10:G:ASP:N	6	9.98
(1,63)	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1:10:K:ASP:N	6	9.98
(1,2543)	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	1:152:J:ASN:N	6	9.97
(1,2533)	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	1:152:F:ASN:N	6	9.97
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	4	9.97
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	10	9.97
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	10	9.97
(1,67)	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1:10:E:ASP:N	6	9.97
(1,2538)	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	1:152:D:ASN:N	6	9.96
(1,2535)	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	1:152:B:ASN:N	6	9.96
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	4	9.96
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	4	9.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	10	9.96
(1,70)	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1:10:C:ASP:N	6	9.96
(1,66)	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1:10:L:ASP:N	6	9.96
(1,64)	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1:10:A:ASP:N	6	9.96
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	3	9.95
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	2	9.95
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	10	9.95
(1,69)	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1:10:B:ASP:N	6	9.95
(1,68)	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1:10:D:ASP:N	6	9.95
(1,2534)	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	1:152:C:ASN:N	6	9.94
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	9	9.94
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	9	9.94
(1,1586)	1:103:L:LYS:C	1:104:L:TYR:N	1:104:L:TYR:CA	1:104:L:TYR:C	9	9.94
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	10	9.94
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	10	9.94
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	4	9.93
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	5	9.93
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	3	9.93
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	3	9.93
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	3	9.93
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	4	9.92
(1,1593)	1:103:A:LYS:C	1:104:A:TYR:N	1:104:A:TYR:CA	1:104:A:TYR:C	9	9.92
(1,1589)	1:103:E:LYS:C	1:104:E:TYR:N	1:104:E:TYR:CA	1:104:E:TYR:C	4	9.92
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	3	9.92
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	2	9.92
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	2	9.92
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	10	9.92
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	9	9.91
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	4	9.91
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	9	9.91
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	5	9.91
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	3	9.91
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	2	9.91
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	2	9.91
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	10	9.91
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	10	9.91
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	10	9.91
(1,1594)	1:103:J:LYS:C	1:104:J:TYR:N	1:104:J:TYR:CA	1:104:J:TYR:C	9	9.9
(1,1592)	1:103:I:LYS:C	1:104:I:TYR:N	1:104:I:TYR:CA	1:104:I:TYR:C	4	9.9
(1,1591)	1:103:G:LYS:C	1:104:G:TYR:N	1:104:G:TYR:CA	1:104:G:TYR:C	4	9.9
(1,1585)	1:103:K:LYS:C	1:104:K:TYR:N	1:104:K:TYR:CA	1:104:K:TYR:C	9	9.9
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	5	9.9
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	5	9.9
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	3	9.9
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	2	9.9
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	2	9.9
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	2	9.9
(1,2272)	1:138:G:LEU:N	1:138:G:LEU:CA	1:138:G:LEU:C	1:139:G:LYS:N	9	9.89
(1,1596)	1:103:C:LYS:C	1:104:C:TYR:N	1:104:C:TYR:CA	1:104:C:TYR:C	9	9.89
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	4	9.89
(1,1595)	1:103:D:LYS:C	1:104:D:TYR:N	1:104:D:TYR:CA	1:104:D:TYR:C	9	9.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	4	9.89
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	5	9.89
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	5	9.89
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	3	9.89
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	3	9.89
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	2	9.89
(1,72)	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1:10:J:ASP:N	6	9.89
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	5	9.88
(1,2269)	1:138:C:LEU:N	1:138:C:LEU:CA	1:138:C:LEU:C	1:139:C:LYS:N	9	9.87
(1,1588)	1:103:F:LYS:C	1:104:F:TYR:N	1:104:F:TYR:CA	1:104:F:TYR:C	9	9.87
(1,1587)	1:103:H:LYS:C	1:104:H:TYR:N	1:104:H:TYR:CA	1:104:H:TYR:C	4	9.87
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	5	9.87
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	5	9.87
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	5	9.87
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	3	9.87
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	2	9.87
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	2	9.87
(1,2273)	1:138:I:LEU:N	1:138:I:LEU:CA	1:138:I:LEU:C	1:139:I:LYS:N	9	9.86
(1,1590)	1:103:B:LYS:C	1:104:B:TYR:N	1:104:B:TYR:CA	1:104:B:TYR:C	9	9.86
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	2	9.86
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	2	9.86
(1,2280)	1:138:D:LEU:N	1:138:D:LEU:CA	1:138:D:LEU:C	1:139:D:LYS:N	9	9.85
(1,2275)	1:138:J:LEU:N	1:138:J:LEU:CA	1:138:J:LEU:C	1:139:J:LYS:N	9	9.85
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	5	9.85
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	5	9.85
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	3	9.85
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	3	9.85
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	2	9.85
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	2	9.85
(1,2270)	1:138:F:LEU:N	1:138:F:LEU:CA	1:138:F:LEU:C	1:139:F:LYS:N	9	9.84
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	8	9.84
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	2	9.84
(1,2278)	1:138:L:LEU:N	1:138:L:LEU:CA	1:138:L:LEU:C	1:139:L:LYS:N	9	9.83
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	8	9.83
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	8	9.83
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	2	9.83
(1,2271)	1:138:B:LEU:N	1:138:B:LEU:CA	1:138:B:LEU:C	1:139:B:LYS:N	9	9.82
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	8	9.82
(1,2276)	1:138:E:LEU:N	1:138:E:LEU:CA	1:138:E:LEU:C	1:139:E:LYS:N	9	9.81
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	8	9.81
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	2	9.81
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	2	9.81
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	2	9.81
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	8	9.8
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	8	9.8
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	8	9.8
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	2	9.8
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	2	9.8
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	2	9.8
(1,2279)	1:138:K:LEU:N	1:138:K:LEU:CA	1:138:K:LEU:C	1:139:K:LYS:N	9	9.79
(1,2274)	1:138:H:LEU:N	1:138:H:LEU:CA	1:138:H:LEU:C	1:139:H:LYS:N	9	9.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	8	9.79
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	9	9.79
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	3	9.79
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	8	9.78
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	9	9.78
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	3	9.77
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	3	9.77
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	3	9.77
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	3	9.77
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	2	9.77
(1,2277)	1:138:A:LEU:N	1:138:A:LEU:CA	1:138:A:LEU:C	1:139:A:LYS:N	9	9.76
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	8	9.76
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	1	9.76
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	9	9.75
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	3	9.75
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	3	9.75
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	3	9.74
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	3	9.74
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	7	9.73
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	9	9.73
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	9	9.73
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	3	9.73
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	3	9.73
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	8	9.72
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	9	9.72
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	1	9.72
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	7	9.71
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	3	9.71
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	1	9.71
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	7	9.7
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	9	9.7
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	9	9.7
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	9	9.7
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	9	9.7
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	9	9.7
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	1	9.7
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	1	9.7
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	7	9.69
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	9	9.69
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	1	9.69
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	1	9.69
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	1	9.69
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	1	9.69
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	7	9.68
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	1	9.68
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	7	9.67
(1,67)	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1:10:E:ASP:N	10	9.67
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	7	9.66
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	7	9.65
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	7	9.65
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	7	9.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	5	9.65
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	1	9.65
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	1	9.65
(1,2627)	1:157:G:GLY:C	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	6	9.64
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	7	9.64
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	5	9.64
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	5	9.63
(1,2619)	1:157:E:GLY:C	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	6	9.62
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	7	9.62
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	5	9.62
(1,72)	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1:10:J:ASP:N	10	9.62
(1,68)	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1:10:D:ASP:N	10	9.62
(1,2625)	1:157:F:GLY:C	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	6	9.61
(1,2617)	1:157:I:GLY:C	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	6	9.61
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	5	9.61
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	5	9.61
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	5	9.61
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	5	9.61
(1,69)	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1:10:B:ASP:N	10	9.61
(1,65)	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1:10:G:ASP:N	10	9.61
(1,64)	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1:10:A:ASP:N	10	9.61
(1,61)	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1:10:H:ASP:N	10	9.61
(1,2626)	1:157:B:GLY:C	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	6	9.6
(1,2624)	1:157:C:GLY:C	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	6	9.6
(1,2623)	1:157:J:GLY:C	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	6	9.6
(1,2620)	1:157:K:GLY:C	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	6	9.6
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	5	9.6
(1,70)	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1:10:C:ASP:N	10	9.6
(1,2622)	1:157:D:GLY:C	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	6	9.59
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	5	9.59
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	5	9.59
(1,66)	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1:10:L:ASP:N	10	9.59
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	8	9.59
(1,2628)	1:157:H:GLY:C	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	6	9.58
(1,2621)	1:157:L:GLY:C	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	6	9.57
(1,2618)	1:157:A:GLY:C	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	6	9.57
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	5	9.57
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	8	9.57
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	8	9.57
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	8	9.57
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	5	9.56
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	3	9.56
(1,62)	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1:10:I:ASP:N	10	9.56
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	8	9.56
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	8	9.56
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	8	9.56
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	9	9.55
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	8	9.55
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	5	9.54
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	3	9.54
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	3	9.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	3	9.54
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	3	9.54
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	9	9.54
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	9	9.54
(1,71)	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1:10:F:ASP:N	10	9.54
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	8	9.54
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	4	9.53
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	3	9.53
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	3	9.53
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	9	9.53
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	9	9.53
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	8	9.53
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	5	9.52
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	5	9.52
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	5	9.52
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	4	9.52
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	3	9.52
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	9	9.52
(1,63)	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1:10:K:ASP:N	10	9.52
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	8	9.52
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	8	9.52
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	4	9.51
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	3	9.51
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	3	9.51
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	9	9.51
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	8	9.5
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	5	9.5
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	5	9.5
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	4	9.5
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	4	9.5
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	3	9.5
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	3	9.5
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	9	9.5
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	8	9.49
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	5	9.49
(1,2033)	1:127:I:GLU:N	1:127:I:GLU:CA	1:127:I:GLU:C	1:128:I:ILE:N	10	9.49
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	3	9.49
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	3	9.49
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	4	9.49
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	3	9.49
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	3	9.49
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	3	9.49
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	4	9.48
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	4	9.48
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	3	9.48
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	9	9.48
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	9	9.48
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	5	9.47
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	3	9.47
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	4	9.47
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	4	9.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	3	9.47
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	3	9.47
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	3	9.47
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	3	9.47
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	9	9.47
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	5	9.46
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	5	9.46
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	4	9.46
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	3	9.46
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	3	9.46
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	3	9.46
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	3	9.46
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	9	9.46
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	9	9.46
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1	9.46
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	8	9.45
(1,2039)	1:127:H:GLU:N	1:127:H:GLU:CA	1:127:H:GLU:C	1:128:H:ILE:N	10	9.45
(1,2031)	1:127:B:GLU:N	1:127:B:GLU:CA	1:127:B:GLU:C	1:128:B:ILE:N	10	9.45
(1,2030)	1:127:C:GLU:N	1:127:C:GLU:CA	1:127:C:GLU:C	1:128:C:ILE:N	10	9.45
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	3	9.45
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	4	9.45
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	3	9.45
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1	9.45
(1,2037)	1:127:A:GLU:N	1:127:A:GLU:CA	1:127:A:GLU:C	1:128:A:ILE:N	10	9.44
(1,2032)	1:127:G:GLU:N	1:127:G:GLU:CA	1:127:G:GLU:C	1:128:G:ILE:N	10	9.44
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	6	9.44
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	3	9.44
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	8	9.43
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	8	9.43
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	5	9.43
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	8	9.43
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	8	9.43
(1,2038)	1:127:K:GLU:N	1:127:K:GLU:CA	1:127:K:GLU:C	1:128:K:ILE:N	10	9.43
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	3	9.43
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1	9.43
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	8	9.42
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	8	9.42
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	8	9.42
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	8	9.42
(1,2029)	1:127:F:GLU:N	1:127:F:GLU:CA	1:127:F:GLU:C	1:128:F:ILE:N	10	9.42
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	6	9.42
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	6	9.42
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	3	9.42
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	9	9.42
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	9	9.42
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	8	9.41
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	8	9.41
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	3	9.41
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	9	9.41
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	9	9.41
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	8	9.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	8	9.4
(1,2040)	1:127:J:GLU:N	1:127:J:GLU:CA	1:127:J:GLU:C	1:128:J:ILE:N	10	9.4
(1,2036)	1:127:E:GLU:N	1:127:E:GLU:CA	1:127:E:GLU:C	1:128:E:ILE:N	10	9.4
(1,2034)	1:127:L:GLU:N	1:127:L:GLU:CA	1:127:L:GLU:C	1:128:L:ILE:N	10	9.4
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	3	9.4
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	9	9.4
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	9	9.4
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	9	9.4
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1	9.4
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1	9.4
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1	9.4
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1	9.4
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	8	9.39
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	8	9.39
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	8	9.39
(1,2035)	1:127:D:GLU:N	1:127:D:GLU:CA	1:127:D:GLU:C	1:128:D:ILE:N	10	9.39
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	6	9.39
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	3	9.39
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	9	9.39
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1	9.39
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	8	9.38
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	10	9.38
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	8	9.38
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	3	9.38
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	10	9.37
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	8	9.37
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	8	9.37
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	6	9.37
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	9	9.37
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1	9.37
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1	9.37
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1	9.37
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	6	9.36
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	8	9.36
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	6	9.36
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	6	9.36
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	6	9.36
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	9	9.36
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	8	9.35
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	3	9.35
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	3	9.35
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	10	9.34
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	3	9.34
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	10	9.33
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	6	9.33
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	3	9.33
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	6	9.33
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	6	9.33
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	9	9.33
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	6	9.32
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	2	9.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	3	9.32
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	3	9.32
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	10	9.31
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	2	9.31
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	3	9.31
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	6	9.31
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1	9.31
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	4	9.3
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	2	9.3
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	10	9.29
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	10	9.29
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	10	9.29
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	6	9.29
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	4	9.29
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	10	9.28
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	6	9.28
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	2	9.28
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	3	9.28
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	3	9.28
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	10	9.27
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	5	9.27
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	2	9.27
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	4	9.27
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	2	9.27
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	6	9.26
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	6	9.26
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	6	9.26
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	5	9.26
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	5	9.26
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	2	9.26
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	4	9.26
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	4	9.26
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	2	9.26
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	2	9.26
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	3	9.26
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	10	9.25
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	6	9.25
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	6	9.25
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	5	9.25
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	4	9.25
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	4	9.25
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	2	9.25
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	10	9.24
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	5	9.24
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	5	9.24
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	2	9.24
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	2	9.24
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	2	9.24
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	2	9.24
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	3	9.24
(1,1051)	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	1:78:H:ALA:N	1	9.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	6	9.23
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	6	9.23
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	5	9.23
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	5	9.23
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	5	9.23
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	2	9.23
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	4	9.23
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	4	9.23
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	4	9.23
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	2	9.23
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	8	9.23
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	1	9.23
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	5	9.22
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	2	9.22
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	2	9.22
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	2	9.22
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	2	9.22
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	2	9.22
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	3	9.22
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	1	9.22
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	1	9.22
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	5	9.21
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	5	9.21
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	2	9.21
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	2	9.21
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	2	9.21
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	2	9.21
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	4	9.21
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	4	9.21
(1,1049)	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	1:78:G:ALA:N	1	9.21
(1,1048)	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	1:78:B:ALA:N	1	9.21
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	8	9.21
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	1	9.21
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	1	9.21
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	6	9.2
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	2	9.2
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	2	9.2
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	2	9.2
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	2	9.2
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	8	9.2
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	1	9.2
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	1	9.2
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	2	9.19
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	2	9.19
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	2	9.19
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	2	9.19
(1,1050)	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	1:78:I:ALA:N	1	9.19
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1	9.19
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	1	9.19
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	1	9.19
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	2	9.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	2	9.18
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	2	9.18
(1,1056)	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	1:78:L:ALA:N	1	9.18
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	8	9.18
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1	9.18
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	1	9.18
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	1	9.18
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	1	9.18
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	2	9.17
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	2	9.17
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	2	9.17
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	8	9.17
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	8	9.17
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1	9.17
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1	9.17
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1	9.17
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	1	9.17
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	2	9.16
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	2	9.16
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	8	9.16
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	8	9.16
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	1	9.16
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	1	9.16
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	2	9.15
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	2	9.15
(1,1047)	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	1:78:F:ALA:N	1	9.15
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	8	9.15
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	8	9.15
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1	9.15
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1	9.15
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	1	9.15
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	1	9.15
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	1	9.15
(1,1046)	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	1:78:C:ALA:N	1	9.14
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	8	9.14
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1	9.14
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	1	9.14
(1,1703)	1:109:I:GLY:N	1:109:I:GLY:CA	1:109:I:GLY:C	1:110:I:PHE:N	10	9.13
(1,1697)	1:109:L:GLY:N	1:109:L:GLY:CA	1:109:L:GLY:C	1:110:L:PHE:N	10	9.13
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	2	9.13
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	2	9.13
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	2	9.13
(1,1054)	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	1:78:E:ALA:N	1	9.13
(1,1053)	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	1:78:A:ALA:N	1	9.13
(1,1045)	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	1:78:D:ALA:N	1	9.13
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	8	9.13
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	1	9.13
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	1	9.13
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	1	9.13
(1,1698)	1:109:E:GLY:N	1:109:E:GLY:CA	1:109:E:GLY:C	1:110:E:PHE:N	10	9.12
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	2	9.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1052)	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	1:78:J:ALA:N	1	9.12
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1	9.12
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1	9.12
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1	9.12
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	1	9.12
(1,1702)	1:109:F:GLY:N	1:109:F:GLY:CA	1:109:F:GLY:C	1:110:F:PHE:N	10	9.11
(1,1699)	1:109:D:GLY:N	1:109:D:GLY:CA	1:109:D:GLY:C	1:110:D:PHE:N	10	9.11
(1,1693)	1:109:H:GLY:N	1:109:H:GLY:CA	1:109:H:GLY:C	1:110:H:PHE:N	10	9.11
(1,1055)	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	1:78:K:ALA:N	1	9.11
(1,1696)	1:109:A:GLY:N	1:109:A:GLY:CA	1:109:A:GLY:C	1:110:A:PHE:N	10	9.1
(1,1695)	1:109:K:GLY:N	1:109:K:GLY:CA	1:109:K:GLY:C	1:110:K:PHE:N	10	9.1
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1	9.1
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	1	9.09
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	2	9.09
(1,1704)	1:109:J:GLY:N	1:109:J:GLY:CA	1:109:J:GLY:C	1:110:J:PHE:N	10	9.09
(1,1701)	1:109:C:GLY:N	1:109:C:GLY:CA	1:109:C:GLY:C	1:110:C:PHE:N	10	9.09
(1,1700)	1:109:B:GLY:N	1:109:B:GLY:CA	1:109:B:GLY:C	1:110:B:PHE:N	10	9.09
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	1	9.07
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	1	9.07
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	6	9.07
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	9	9.07
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	1	9.06
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	1	9.06
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	6	9.06
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	6	9.06
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	6	9.06
(1,1694)	1:109:G:GLY:N	1:109:G:GLY:CA	1:109:G:GLY:C	1:110:G:PHE:N	10	9.06
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	8	9.06
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	1	9.05
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	1	9.05
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	6	9.05
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	6	9.05
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	6	9.05
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	6	9.05
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	6	9.05
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	9	9.05
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	1	9.05
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	1	9.04
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	1	9.04
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	1	9.04
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	6	9.04
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	6	9.04
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	6	9.04
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	3	9.04
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	8	9.04
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	8	9.04
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	1	9.03
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	6	9.03
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	6	9.03
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	6	9.03
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	8	9.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	1	9.02
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	6	9.02
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	6	9.02
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	3	9.02
(1,1497)	1:99:E:ASN:C	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	9	9.02
(1,1495)	1:99:H:ASN:C	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	9	9.02
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	9	9.02
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	9	9.02
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	3	9.01
(1,1491)	1:99:G:ASN:C	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	9	9.01
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	8	9.01
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	8	9.01
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	8	9.01
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	6	9.0
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	6	9.0
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	6	9.0
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	3	9.0
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	3	9.0
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	3	9.0
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	3	9.0
(1,1500)	1:99:D:ASN:C	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	9	9.0
(1,1499)	1:99:A:ASN:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	9	9.0
(1,1494)	1:99:L:ASN:C	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	9	9.0
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	9	9.0
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	9	9.0
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	8	9.0
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	8	9.0
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	8	9.0
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	6	8.99
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	3	8.99
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	3	8.99
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	9	8.99
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	9	8.99
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	9	8.99
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	10	8.99
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	6	8.98
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	3	8.98
(1,1493)	1:99:I:ASN:C	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	9	8.98
(1,1490)	1:99:C:ASN:C	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	9	8.98
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	9	8.98
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	8	8.98
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	6	8.97
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	9	8.97
(1,1496)	1:99:J:ASN:C	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	9	8.96
(1,1492)	1:99:F:ASN:C	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	9	8.96
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	8	8.96
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	6	8.95
(1,1498)	1:99:K:ASN:C	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	9	8.95
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	6	8.94
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	6	8.93
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	3	8.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	3	8.93
(1,1834)	1:114:K:GLU:C	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	8	8.93
(1,1825)	1:114:B:GLU:C	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	8	8.93
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	9	8.93
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	10	8.93
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	10	8.93
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	6	8.92
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	6	8.92
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	9	8.92
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	9	8.92
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	10	8.92
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	6	8.91
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	6	8.91
(1,1832)	1:114:J:GLU:C	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	8	8.91
(1,1829)	1:114:I:GLU:C	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	8	8.91
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	9	8.91
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	6	8.9
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	6	8.9
(1,1831)	1:114:L:GLU:C	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	8	8.9
(1,1399)	1:91:L:PHE:C	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	10	8.9
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	9	8.9
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	10	8.9
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	10	8.9
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	6	8.89
(1,1836)	1:114:D:GLU:C	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	8	8.89
(1,1835)	1:114:A:GLU:C	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	8	8.89
(1,1833)	1:114:E:GLU:C	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	8	8.89
(1,1402)	1:91:H:PHE:C	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	10	8.89
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	9	8.89
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	9	8.89
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	9	8.89
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	9	8.89
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	10	8.89
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	10	8.89
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	6	8.88
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	6	8.88
(1,1830)	1:114:H:GLU:C	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	8	8.88
(1,1826)	1:114:C:GLU:C	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	8	8.88
(1,1489)	1:99:B:ASN:C	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	9	8.88
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	9	8.88
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	9	8.88
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	9	8.88
(1,1401)	1:91:G:PHE:C	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	10	8.87
(1,1395)	1:91:I:PHE:C	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	10	8.87
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	9	8.87
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	9	8.87
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	10	8.87
(1,1400)	1:91:C:PHE:C	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	10	8.86
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	9	8.86
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	6	8.86
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	10	8.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1828)	1:114:F:GLU:C	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	8	8.85
(1,1404)	1:91:A:PHE:C	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	10	8.85
(1,1403)	1:91:B:PHE:C	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	10	8.85
(1,1398)	1:91:K:PHE:C	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	10	8.85
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	9	8.85
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	9	8.85
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	9	8.85
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	9	8.85
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	6	8.85
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	10	8.85
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	10	8.85
(1,1827)	1:114:G:GLU:C	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	8	8.84
(1,1394)	1:91:E:PHE:C	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	10	8.84
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	9	8.84
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	9	8.84
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	9	8.84
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	6	8.83
(1,1397)	1:91:D:PHE:C	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	10	8.83
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	8	8.83
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	9	8.83
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	9	8.83
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	6	8.83
(1,1396)	1:91:J:PHE:C	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	10	8.82
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	8	8.82
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	6	8.82
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	6	8.81
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	6	8.81
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	9	8.8
(1,1393)	1:91:F:PHE:C	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	10	8.79
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	8	8.79
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	6	8.78
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	6	8.78
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	8	8.77
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	8	8.77
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	6	8.77
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	6	8.77
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	8	8.76
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	6	8.76
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	8	8.75
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	8	8.75
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	6	8.75
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	4	8.74
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	8	8.74
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	8	8.74
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	9	8.74
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	9	8.74
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	9	8.74
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	9	8.73
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	9	8.73
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	4	8.72
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	4	8.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	1	8.72
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	8	8.72
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	8	8.72
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	8	8.72
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	9	8.72
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	9	8.71
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	10	8.71
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	9	8.7
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	10	8.7
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	10	8.7
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	10	8.7
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	4	8.69
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	8	8.69
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	10	8.69
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	10	8.69
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	9	8.69
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	8	8.68
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	8	8.68
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	8	8.68
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	1	8.68
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	9	8.68
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	9	8.68
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	10	8.68
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	10	8.68
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	10	8.68
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	9	8.68
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	9	8.68
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	4	8.67
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	4	8.67
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	8	8.67
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	9	8.67
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	10	8.67
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	10	8.67
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	10	8.67
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	9	8.67
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	4	8.66
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	4	8.66
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	8	8.66
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	8	8.66
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	8	8.66
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	8	8.66
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	9	8.66
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	10	8.66
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	10	8.66
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	10	8.66
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	10	8.66
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	6	8.66
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	9	8.66
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	4	8.65
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	1	8.65
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	1	8.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	9	8.65
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	10	8.65
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	10	8.65
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	10	8.65
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	10	8.65
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	10	8.65
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	6	8.65
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	9	8.65
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	8	8.64
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	1	8.64
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	1	8.64
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	1	8.64
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	9	8.64
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	10	8.64
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	5	8.64
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	4	8.63
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	8	8.63
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	1	8.63
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	9	8.63
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	10	8.63
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	6	8.63
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	6	8.63
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	6	8.63
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	9	8.63
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	4	8.62
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	1	8.62
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	9	8.62
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	10	8.62
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	6	8.62
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	6	8.62
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	5	8.62
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	5	8.62
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	9	8.61
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	5	8.61
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	5	8.61
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	4	8.6
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	1	8.6
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	6	8.6
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	5	8.6
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	1	8.59
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	1	8.59
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	6	8.59
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	6	8.59
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	6	8.59
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	6	8.58
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	6	8.58
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	6	8.58
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	5	8.58
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	5	8.58
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	5	8.58
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	5	8.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	6	8.57
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	6	8.57
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	5	8.57
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	6	8.56
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	6	8.56
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	6	8.55
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	6	8.55
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	8	8.55
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	6	8.55
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	6	8.54
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	8	8.54
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	8	8.54
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	8	8.54
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	6	8.54
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	5	8.54
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	2	8.53
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	8	8.53
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	6	8.53
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	6	8.53
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	6	8.53
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	2	8.52
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	2	8.52
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	2	8.52
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	8	8.52
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	6	8.52
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	6	8.52
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	6	8.52
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	6	8.51
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	8	8.51
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	6	8.51
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	6	8.51
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	2	8.5
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	2	8.5
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	1	8.5
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	1	8.5
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	6	8.5
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	8	8.5
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	6	8.5
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	2	8.49
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	2	8.49
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	1	8.49
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	8	8.49
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	8	8.49
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	6	8.49
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	2	8.48
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	2	8.48
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	2	8.48
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	1	8.48
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	1	8.48
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	8	8.48
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	1	8.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	8	8.47
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	2	8.47
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	2	8.47
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	2	8.46
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	2	8.46
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	2	8.46
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	1	8.45
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	1	8.44
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	1	8.44
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	1	8.44
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	6	8.44
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	1	8.43
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	1	8.43
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	2	8.43
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	2	8.42
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	2	8.41
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	2	8.4
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	2	8.39
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	2	8.39
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	6	8.38
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	2	8.38
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	6	8.37
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	2	8.37
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	6	8.36
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	6	8.36
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	6	8.35
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	8	8.35
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	6	8.34
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	6	8.33
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	7	8.33
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	7	8.33
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	6	8.32
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	8	8.32
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	8	8.32
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	7	8.32
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	6	8.31
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	7	8.31
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	7	8.31
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	6	8.3
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	6	8.3
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	8	8.3
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	8	8.3
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	8	8.3
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	7	8.3
(1,743)	1:61:D:ASP:N	1:61:D:ASP:CA	1:61:D:ASP:C	1:62:D:SER:N	2	8.3
(1,733)	1:61:K:ASP:N	1:61:K:ASP:CA	1:61:K:ASP:C	1:62:K:SER:N	2	8.3
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	7	8.3
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	9	8.3
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	6	8.29
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	8	8.29
(1,741)	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1:62:A:SER:N	2	8.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,738)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	2	8.29
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	9	8.29
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	9	8.29
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	8	8.28
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	7	8.28
(1,744)	1:61:C:ASP:N	1:61:C:ASP:CA	1:61:C:ASP:C	1:62:C:SER:N	2	8.28
(1,742)	1:61:J:ASP:N	1:61:J:ASP:CA	1:61:J:ASP:C	1:62:J:SER:N	2	8.28
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	7	8.28
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	7	8.28
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	9	8.28
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	8	8.27
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	8	8.27
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	7	8.27
(1,740)	1:61:I:ASP:N	1:61:I:ASP:CA	1:61:I:ASP:C	1:62:I:SER:N	2	8.27
(1,734)	1:61:L:ASP:N	1:61:L:ASP:CA	1:61:L:ASP:C	1:62:L:SER:N	2	8.27
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	9	8.27
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	9	8.27
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	9	8.27
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	8	8.26
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	8	8.26
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	7	8.26
(1,735)	1:61:H:ASP:N	1:61:H:ASP:CA	1:61:H:ASP:C	1:62:H:SER:N	2	8.26
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	7	8.26
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	9	8.26
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	7	8.25
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	7	8.25
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	8	8.25
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	8	8.25
(1,737)	1:61:E:ASP:N	1:61:E:ASP:CA	1:61:E:ASP:C	1:62:E:SER:N	2	8.25
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	8	8.24
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	5	8.24
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	5	8.24
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	8	8.24
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	8	8.24
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	7	8.24
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	7	8.24
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	7	8.24
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	7	8.23
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	7	8.23
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	5	8.23
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	8	8.23
(1,739)	1:61:G:ASP:N	1:61:G:ASP:CA	1:61:G:ASP:C	1:62:G:SER:N	2	8.23
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	9	8.23
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	5	8.22
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	8	8.22
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	8	8.22
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	8	8.22
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	8	8.22
(1,736)	1:61:F:ASP:N	1:61:F:ASP:CA	1:61:F:ASP:C	1:62:F:SER:N	2	8.22
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	9	8.22
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	9	8.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	9	8.22
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	7	8.21
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	7	8.21
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	8	8.21
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	8	8.21
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	5	8.2
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	5	8.2
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	5	8.2
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	8	8.2
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	8	8.2
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	7	8.19
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	5	8.19
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	5	8.19
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	8	8.19
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	8	8.19
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	5	8.18
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	8	8.18
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	5	8.16
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	8	8.16
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	8	8.16
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	8	8.16
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	7	8.15
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	10	8.15
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	5	8.14
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	8	8.13
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	8	8.13
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	10	8.12
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	10	8.12
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	8	8.12
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	6	8.11
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	10	8.11
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	6	8.1
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	10	8.1
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	6	8.09
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	6	8.09
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	10	8.09
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	8	8.08
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	10	8.07
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	6	8.06
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	6	8.06
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	6	8.06
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	10	8.06
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	10	8.06
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	10	8.06
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	6	8.05
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	6	8.05
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	5	8.05
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	10	8.05
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	6	8.04
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	1	8.04
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	1	8.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	1	8.04
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	10	8.04
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	6	8.03
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	6	8.03
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	5	8.03
(1,1049)	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	1:78:G:ALA:N	5	8.03
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	1	8.03
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	1	8.03
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	1	8.03
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	1	8.03
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	1	8.03
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	1	8.03
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	5	8.02
(1,1054)	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	1:78:E:ALA:N	5	8.02
(1,1053)	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	1:78:A:ALA:N	5	8.02
(1,1045)	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	1:78:D:ALA:N	5	8.02
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	1	8.02
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	7	8.01
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	7	8.01
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	7	8.01
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	7	8.01
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	7	8.01
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	3	8.01
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	10	8.01
(1,1055)	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	1:78:K:ALA:N	5	8.01
(1,1050)	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	1:78:I:ALA:N	5	8.01
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	10	8.01
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	1	8.01
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	10	8.0
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	10	7.99
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	10	7.99
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	7	7.98
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	10	7.98
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	3	7.98
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	5	7.98
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	5	7.98
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	5	7.98
(1,1052)	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	1:78:J:ALA:N	5	7.98
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	10	7.98
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	1	7.98
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	7	7.97
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	7	7.97
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	5	7.97
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	10	7.97
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	7	7.96
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	7	7.96
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	10	7.96
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	10	7.96
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	3	7.96
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	3	7.96
(1,1051)	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	1:78:H:ALA:N	5	7.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1047)	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	1:78:F:ALA:N	5	7.96
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	10	7.96
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	7	7.95
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	3	7.95
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	3	7.95
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	5	7.95
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	5	7.95
(1,1056)	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	1:78:L:ALA:N	5	7.95
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	10	7.95
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	7	7.94
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	10	7.94
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	10	7.94
(1,2305)	1:140:H:ASN:C	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	10	7.94
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	3	7.94
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	3	7.94
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	3	7.94
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	5	7.94
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	5	7.94
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	5	7.94
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	5	7.94
(1,1048)	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	1:78:B:ALA:N	5	7.94
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	10	7.94
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	10	7.94
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	10	7.94
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	10	7.93
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	10	7.93
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	3	7.93
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	5	7.93
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	5	7.93
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	5	7.93
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	5	7.93
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	5	7.93
(1,1046)	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	1:78:C:ALA:N	5	7.93
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	1	7.93
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	10	7.92
(1,2307)	1:140:K:ASN:C	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	10	7.92
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	5	7.92
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	5	7.92
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	5	7.92
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	1	7.92
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	10	7.91
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	1	7.91
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	1	7.91
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	5	7.91
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	1	7.91
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	3	7.9
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	3	7.9
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	1	7.9
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	1	7.9
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	1	7.9
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	1	7.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	8	7.9
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	7	7.89
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	5	7.89
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	5	7.89
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	1	7.89
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	8	7.89
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	7	7.88
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	7	7.88
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	7	7.88
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	1	7.88
(1,881)	1:67:E:TYR:N	1:67:E:TYR:CA	1:67:E:TYR:C	1:68:E:TYR:N	6	7.88
(1,879)	1:67:J:TYR:N	1:67:J:TYR:CA	1:67:J:TYR:C	1:68:J:TYR:N	6	7.88
(1,878)	1:67:L:TYR:N	1:67:L:TYR:CA	1:67:L:TYR:C	1:68:L:TYR:N	6	7.88
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	1	7.88
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	1	7.88
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	7	7.87
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	10	7.87
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	1	7.87
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	1	7.87
(1,882)	1:67:G:TYR:N	1:67:G:TYR:CA	1:67:G:TYR:C	1:68:G:TYR:N	6	7.87
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	1	7.87
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	1	7.87
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	1	7.87
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	1	7.87
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	8	7.87
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	8	7.87
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	7	7.86
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	7	7.86
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	7	7.86
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	1	7.86
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	8	7.86
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	8	7.86
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	7	7.85
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	1	7.85
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	1	7.85
(1,880)	1:67:B:TYR:N	1:67:B:TYR:CA	1:67:B:TYR:C	1:68:B:TYR:N	6	7.85
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	1	7.85
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	8	7.85
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	8	7.85
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	7	7.84
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	1	7.84
(1,884)	1:67:I:TYR:N	1:67:I:TYR:CA	1:67:I:TYR:C	1:68:I:TYR:N	6	7.84
(1,293)	1:18:F:ILE:C	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	10	7.84
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1	7.83
(1,877)	1:67:D:TYR:N	1:67:D:TYR:CA	1:67:D:TYR:C	1:68:D:TYR:N	6	7.83
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	8	7.83
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	8	7.83
(1,1529)	1:101:C:ASN:N	1:101:C:ASN:CA	1:101:C:ASN:C	1:102:C:ASP:N	1	7.82
(1,888)	1:67:K:TYR:N	1:67:K:TYR:CA	1:67:K:TYR:C	1:68:K:TYR:N	6	7.82
(1,885)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:TYR:N	6	7.82
(1,883)	1:67:F:TYR:N	1:67:F:TYR:CA	1:67:F:TYR:C	1:68:F:TYR:N	6	7.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,300)	1:18:K:ILE:C	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	10	7.82
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	8	7.82
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1	7.81
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1	7.81
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	7	7.8
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	7	7.8
(1,1527)	1:101:J:ASN:N	1:101:J:ASN:CA	1:101:J:ASN:C	1:102:J:ASP:N	1	7.8
(1,887)	1:67:C:TYR:N	1:67:C:TYR:CA	1:67:C:TYR:C	1:68:C:TYR:N	6	7.8
(1,294)	1:18:B:ILE:C	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	10	7.8
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	1	7.79
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	1	7.79
(1,886)	1:67:H:TYR:N	1:67:H:TYR:CA	1:67:H:TYR:C	1:68:H:TYR:N	6	7.79
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1	7.78
(1,295)	1:18:G:ILE:C	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	10	7.78
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	8	7.78
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	1	7.77
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	1	7.77
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	1	7.77
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	1	7.77
(1,1528)	1:101:K:ASN:N	1:101:K:ASN:CA	1:101:K:ASN:C	1:102:K:ASP:N	1	7.77
(1,1526)	1:101:D:ASN:N	1:101:D:ASN:CA	1:101:D:ASN:C	1:102:D:ASP:N	1	7.77
(1,656)	1:51:C:GLY:C	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	6	7.77
(1,299)	1:18:C:ILE:C	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	10	7.77
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	1	7.76
(1,1531)	1:101:L:ASN:N	1:101:L:ASN:CA	1:101:L:ASN:C	1:102:L:ASP:N	1	7.76
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1	7.76
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1	7.76
(1,658)	1:51:F:GLY:C	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	6	7.76
(1,655)	1:51:B:GLY:C	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	6	7.76
(1,297)	1:18:H:ILE:C	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	10	7.76
(1,296)	1:18:I:ILE:C	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	10	7.76
(1,292)	1:18:E:ILE:C	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	10	7.76
(1,290)	1:18:D:ILE:C	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	10	7.76
(1,1534)	1:101:B:ASN:N	1:101:B:ASN:CA	1:101:B:ASN:C	1:102:B:ASP:N	1	7.75
(1,1530)	1:101:I:ASN:N	1:101:I:ASN:CA	1:101:I:ASN:C	1:102:I:ASP:N	1	7.75
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1	7.75
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1	7.75
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1	7.75
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1	7.75
(1,654)	1:51:L:GLY:C	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	6	7.75
(1,653)	1:51:D:GLY:C	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	6	7.75
(1,298)	1:18:L:ILE:C	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	10	7.75
(1,289)	1:18:J:ILE:C	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	10	7.75
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	1	7.74
(1,651)	1:51:K:GLY:C	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	6	7.74
(1,291)	1:18:A:ILE:C	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	10	7.74
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	1	7.73
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1	7.73
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	9	7.73
(1,652)	1:51:A:GLY:C	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	6	7.73
(1,1828)	1:114:F:GLU:C	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	6	7.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	1	7.72
(1,1525)	1:101:A:ASN:N	1:101:A:ASN:CA	1:101:A:ASN:C	1:102:A:ASP:N	1	7.72
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1	7.72
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	1	7.71
(1,1535)	1:101:F:ASN:N	1:101:F:ASN:CA	1:101:F:ASN:C	1:102:F:ASP:N	1	7.71
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	9	7.71
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	9	7.71
(1,660)	1:51:H:GLY:C	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	6	7.71
(1,659)	1:51:I:GLY:C	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	6	7.71
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	1	7.7
(1,1533)	1:101:H:ASN:N	1:101:H:ASN:CA	1:101:H:ASN:C	1:102:H:ASP:N	1	7.7
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	9	7.7
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	9	7.7
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	9	7.69
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	9	7.69
(1,1830)	1:114:H:GLU:C	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	6	7.68
(1,1536)	1:101:E:ASN:N	1:101:E:ASN:CA	1:101:E:ASN:C	1:102:E:ASP:N	1	7.68
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	9	7.68
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	9	7.68
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	9	7.68
(1,1833)	1:114:E:GLU:C	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	6	7.67
(1,1832)	1:114:J:GLU:C	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	6	7.67
(1,1532)	1:101:G:ASN:N	1:101:G:ASN:CA	1:101:G:ASN:C	1:102:G:ASP:N	1	7.67
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	9	7.67
(1,657)	1:51:G:GLY:C	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	6	7.67
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	10	7.66
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	10	7.66
(1,1834)	1:114:K:GLU:C	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	6	7.66
(1,1831)	1:114:L:GLU:C	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	6	7.66
(1,1829)	1:114:I:GLU:C	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	6	7.66
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	9	7.66
(1,1826)	1:114:C:GLU:C	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	6	7.65
(1,1825)	1:114:B:GLU:C	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	6	7.65
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	9	7.65
(1,650)	1:51:E:GLY:C	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	6	7.65
(1,649)	1:51:J:GLY:C	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	6	7.65
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	10	7.64
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	9	7.64
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	2	7.63
(1,1836)	1:114:D:GLU:C	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	6	7.63
(1,1827)	1:114:G:GLU:C	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	6	7.63
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	9	7.63
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	10	7.62
(1,1835)	1:114:A:GLU:C	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	6	7.62
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	9	7.62
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	9	7.62
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	9	7.62
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	6	7.62
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	9	7.61
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	9	7.61
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	10	7.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	2	7.6
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	2	7.6
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	9	7.6
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	9	7.6
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	10	7.59
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	10	7.59
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	10	7.59
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	10	7.59
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	2	7.59
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	2	7.59
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	9	7.59
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	9	7.59
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	2	7.58
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	2	7.58
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	6	7.58
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	10	7.57
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	2	7.57
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	6	7.57
(1,920)	1:69:G:GLY:C	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	9	7.57
(1,918)	1:69:H:GLY:C	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	9	7.57
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	10	7.56
(1,1428)	1:92:C:TRP:C	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	5	7.56
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	6	7.56
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	6	7.56
(1,921)	1:69:I:GLY:C	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	9	7.56
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	10	7.55
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	2	7.55
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	2	7.55
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	2	7.55
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	2	7.55
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	6	7.55
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	6	7.55
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	6	7.55
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	6	7.55
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	8	7.55
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	8	7.55
(1,922)	1:69:F:GLY:C	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	9	7.55
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	2	7.55
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	5	7.55
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	2	7.54
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	2	7.54
(1,913)	1:69:K:GLY:C	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	9	7.54
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	2	7.54
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	2	7.54
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	5	7.54
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	2	7.53
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	2	7.53
(1,1425)	1:92:G:TRP:C	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	5	7.53
(1,1417)	1:92:K:TRP:C	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	5	7.53
(1,924)	1:69:D:GLY:C	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	9	7.53
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	2	7.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	2	7.52
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	2	7.52
(1,1424)	1:92:B:TRP:C	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	5	7.52
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	6	7.52
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	6	7.52
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	8	7.52
(1,914)	1:69:L:GLY:C	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	9	7.52
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	2	7.52
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	2	7.52
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	2	7.52
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	5	7.52
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	2	7.51
(1,1423)	1:92:A:TRP:C	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	5	7.51
(1,1420)	1:92:J:TRP:C	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	5	7.51
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	6	7.51
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	8	7.51
(1,916)	1:69:E:GLY:C	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	9	7.51
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	2	7.51
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	2	7.5
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	2	7.5
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	2	7.5
(1,1427)	1:92:H:TRP:C	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	5	7.5
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	8	7.5
(1,923)	1:69:C:GLY:C	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	9	7.5
(1,919)	1:69:B:GLY:C	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	9	7.5
(1,915)	1:69:A:GLY:C	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	9	7.5
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	2	7.5
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	5	7.5
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	1	7.5
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	1	7.5
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	1	7.5
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	9	7.49
(1,1426)	1:92:I:TRP:C	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	5	7.49
(1,1419)	1:92:D:TRP:C	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	5	7.49
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	8	7.49
(1,917)	1:69:J:GLY:C	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	9	7.49
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	2	7.49
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	5	7.49
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	5	7.49
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	2	7.48
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	2	7.48
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	2	7.48
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	2	7.48
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	5	7.48
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	5	7.48
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	1	7.48
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	9	7.47
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	9	7.47
(1,1422)	1:92:F:TRP:C	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	5	7.47
(1,1276)	1:86:L:GLY:C	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	6	7.47
(1,1275)	1:86:K:GLY:C	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	6	7.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	8	7.47
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	8	7.47
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	4	7.47
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	5	7.47
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	5	7.47
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	5	7.47
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	1	7.47
(1,1421)	1:92:E:TRP:C	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	5	7.46
(1,1418)	1:92:L:TRP:C	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	5	7.46
(1,1281)	1:86:H:GLY:C	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	6	7.46
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	8	7.46
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	4	7.46
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	4	7.46
(1,1283)	1:86:C:GLY:C	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	6	7.45
(1,1273)	1:86:D:GLY:C	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	6	7.45
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	8	7.45
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	4	7.45
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	4	7.45
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	1	7.45
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	1	7.45
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	9	7.44
(1,1279)	1:86:J:GLY:C	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	6	7.44
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	8	7.44
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	4	7.44
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	4	7.44
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	5	7.44
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	1	7.44
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	1	7.44
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	9	7.43
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	9	7.43
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	9	7.43
(1,1278)	1:86:G:GLY:C	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	6	7.43
(1,1274)	1:86:A:GLY:C	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	6	7.43
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	8	7.43
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	4	7.43
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	4	7.43
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	1	7.43
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	1	7.43
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	1	7.43
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	9	7.42
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	9	7.42
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	4	7.42
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	9	7.41
(1,2241)	1:136:H:GLY:C	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	6	7.41
(1,2237)	1:136:F:GLY:C	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	6	7.41
(1,2236)	1:136:E:GLY:C	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	6	7.41
(1,2233)	1:136:J:GLY:C	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	6	7.41
(1,1284)	1:86:B:GLY:C	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	6	7.41
(1,1280)	1:86:I:GLY:C	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	6	7.41
(1,1277)	1:86:E:GLY:C	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	6	7.41
(1,917)	1:69:J:GLY:C	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1	7.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,153)	1:12:J:LYS:C	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1	7.41
(1,71)	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1:10:F:ASP:N	8	7.41
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1	7.41
(1,2239)	1:136:G:GLY:C	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	6	7.4
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	8	7.4
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	8	7.4
(1,1282)	1:86:F:GLY:C	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	6	7.4
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	4	7.4
(1,61)	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1:10:H:ASP:N	8	7.4
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	9	7.39
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	4	7.39
(1,924)	1:69:D:GLY:C	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1	7.39
(1,152)	1:12:E:LYS:C	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1	7.39
(1,63)	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1:10:K:ASP:N	8	7.39
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1	7.39
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	10	7.38
(1,2243)	1:136:K:GLY:C	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	6	7.38
(1,920)	1:69:G:GLY:C	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1	7.38
(1,918)	1:69:H:GLY:C	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1	7.38
(1,69)	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1:10:B:ASP:N	8	7.38
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1	7.38
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1	7.38
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	5	7.38
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	9	7.37
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	8	7.37
(1,915)	1:69:A:GLY:C	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1	7.37
(1,156)	1:12:K:LYS:C	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1	7.37
(1,155)	1:12:D:LYS:C	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1	7.37
(1,149)	1:12:G:LYS:C	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1	7.37
(1,148)	1:12:A:LYS:C	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1	7.37
(1,147)	1:12:B:LYS:C	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1	7.37
(1,146)	1:12:H:LYS:C	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1	7.37
(1,66)	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1:10:L:ASP:N	8	7.37
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1	7.37
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1	7.37
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	5	7.37
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	5	7.37
(1,2235)	1:136:A:GLY:C	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	6	7.36
(1,2234)	1:136:D:GLY:C	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	6	7.36
(1,1842)	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	1:116:H:ARG:N	7	7.36
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	8	7.36
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	8	7.36
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	8	7.36
(1,919)	1:69:B:GLY:C	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1	7.36
(1,914)	1:69:L:GLY:C	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1	7.36
(1,154)	1:12:L:LYS:C	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1	7.36
(1,151)	1:12:I:LYS:C	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1	7.36
(1,62)	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1:10:I:ASP:N	8	7.36
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1	7.36
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1	7.36
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	5	7.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	10	7.35
(1,2242)	1:136:C:GLY:C	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	6	7.35
(1,2238)	1:136:B:GLY:C	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	6	7.35
(1,1848)	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	1:116:D:ARG:N	7	7.35
(1,1845)	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	1:116:E:ARG:N	7	7.35
(1,1841)	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	1:116:I:ARG:N	7	7.35
(1,913)	1:69:K:GLY:C	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1	7.35
(1,150)	1:12:F:LYS:C	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1	7.35
(1,68)	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1:10:D:ASP:N	8	7.35
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1	7.35
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	10	7.34
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	10	7.34
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	6	7.34
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	6	7.34
(1,2244)	1:136:L:GLY:C	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	6	7.34
(1,2240)	1:136:I:GLY:C	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	6	7.34
(1,1846)	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	1:116:K:ARG:N	7	7.34
(1,921)	1:69:I:GLY:C	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1	7.34
(1,145)	1:12:C:LYS:C	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1	7.34
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1	7.34
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1	7.34
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	5	7.34
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	5	7.34
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	10	7.33
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	10	7.33
(1,1847)	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	1:116:A:ARG:N	7	7.33
(1,1843)	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	1:116:L:ARG:N	7	7.33
(1,1839)	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	1:116:G:ARG:N	7	7.33
(1,1838)	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	1:116:C:ARG:N	7	7.33
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	8	7.33
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	8	7.33
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	8	7.33
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	8	7.33
(1,922)	1:69:F:GLY:C	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1	7.33
(1,67)	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1:10:E:ASP:N	8	7.33
(1,64)	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1:10:A:ASP:N	8	7.33
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1	7.33
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	10	7.32
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	10	7.32
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	6	7.32
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	6	7.32
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	6	7.32
(1,1844)	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	1:116:J:ARG:N	7	7.32
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	10	7.32
(1,916)	1:69:E:GLY:C	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1	7.32
(1,525)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:SER:N	1	7.32
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	5	7.32
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	5	7.32
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	10	7.31
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	10	7.31
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	6	7.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1840)	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	1:116:F:ARG:N	7	7.31
(1,1837)	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	1:116:B:ARG:N	7	7.31
(1,72)	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1:10:J:ASP:N	8	7.31
(1,70)	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1:10:C:ASP:N	8	7.31
(1,65)	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1:10:G:ASP:N	8	7.31
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	5	7.31
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	5	7.31
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	10	7.3
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	6	7.3
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	6	7.3
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	8	7.3
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	9	7.3
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	9	7.3
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	10	7.29
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	10	7.29
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	10	7.29
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	10	7.29
(1,923)	1:69:C:GLY:C	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1	7.29
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	6	7.28
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	8	7.28
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	10	7.28
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	9	7.28
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	9	7.28
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	9	7.28
(1,517)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:SER:N	1	7.28
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	5	7.28
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	9	7.28
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	6	7.27
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	10	7.27
(1,521)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:SER:N	1	7.27
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	10	7.26
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	10	7.26
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	10	7.26
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	9	7.26
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	9	7.26
(1,528)	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	1:38:F:SER:N	1	7.26
(1,527)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:SER:N	1	7.26
(1,526)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:SER:N	1	7.26
(1,524)	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	1:38:J:SER:N	1	7.26
(1,522)	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	1:38:K:SER:N	1	7.26
(1,518)	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	1:38:G:SER:N	1	7.26
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	9	7.26
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	6	7.25
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	10	7.25
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	10	7.25
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	5	7.25
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	9	7.25
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	9	7.25
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	9	7.25
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	6	7.24
(1,2347)	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	1:143:D:ILE:N	10	7.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	10	7.24
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	10	7.24
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	10	7.24
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	10	7.24
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	10	7.23
(1,523)	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	1:38:L:SER:N	1	7.23
(1,520)	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	1:38:H:SER:N	1	7.23
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	9	7.23
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	9	7.23
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	9	7.23
(1,2346)	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	1:143:C:ILE:N	10	7.22
(1,2341)	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	1:143:J:ILE:N	10	7.22
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	10	7.22
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	10	7.22
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	9	7.22
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	9	7.22
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	9	7.22
(1,519)	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	1:38:I:SER:N	1	7.22
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	1	7.22
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	9	7.22
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	10	7.21
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	10	7.21
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	10	7.21
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	10	7.21
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	9	7.21
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	9	7.21
(1,2344)	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	1:143:I:ILE:N	10	7.2
(1,1711)	1:109:D:GLY:C	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	5	7.2
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	9	7.2
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	9	7.2
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	9	7.2
(1,2350)	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	1:143:L:ILE:N	10	7.19
(1,2349)	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	1:143:E:ILE:N	10	7.19
(1,2343)	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	1:143:G:ILE:N	10	7.19
(1,1710)	1:109:I:GLY:C	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	5	7.19
(1,1709)	1:109:G:GLY:C	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	5	7.19
(1,1708)	1:109:B:GLY:C	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	5	7.19
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	8	7.19
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	8	7.19
(1,2352)	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	1:143:H:ILE:N	10	7.18
(1,2348)	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	1:143:K:ILE:N	10	7.18
(1,2345)	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	1:143:F:ILE:N	10	7.18
(1,2342)	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	1:143:B:ILE:N	10	7.18
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	10	7.18
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	8	7.18
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	1	7.18
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	1	7.18
(1,2351)	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	1:143:A:ILE:N	10	7.17
(1,1714)	1:109:K:GLY:C	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	5	7.17
(1,1705)	1:109:F:GLY:C	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	5	7.17
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	8	7.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	1	7.17
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	1	7.17
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	1	7.17
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	1	7.17
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	1	7.17
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	5	7.16
(1,1716)	1:109:J:GLY:C	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	5	7.16
(1,1713)	1:109:A:GLY:C	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	5	7.16
(1,1712)	1:109:E:GLY:C	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	5	7.16
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	10	7.16
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	8	7.16
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	1	7.16
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	1	7.16
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	5	7.15
(1,1715)	1:109:H:GLY:C	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	5	7.15
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	1	7.15
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	5	7.14
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	2	7.14
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	8	7.14
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	8	7.14
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	8	7.14
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	5	7.13
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	8	7.13
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	8	7.13
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	8	7.13
(1,1706)	1:109:L:GLY:C	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	5	7.12
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	8	7.12
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	5	7.11
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	5	7.11
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	5	7.11
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	5	7.11
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	2	7.11
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	2	7.11
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	2	7.11
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	5	7.1
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	5	7.1
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	5	7.1
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	5	7.1
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	1	7.1
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	5	7.09
(1,1707)	1:109:C:GLY:C	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	5	7.09
(1,1478)	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1:100:K:GLU:N	8	7.09
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	9	7.09
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	10	7.09
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	10	7.09
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	2	7.09
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	2	7.09
(1,146)	1:12:H:LYS:C	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	5	7.09
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	10	7.08
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	5	7.08
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	5	7.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	2	7.08
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	2	7.08
(1,155)	1:12:D:LYS:C	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	5	7.08
(1,152)	1:12:E:LYS:C	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	5	7.08
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	5	7.07
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	5	7.07
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	5	7.07
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	10	7.07
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	10	7.07
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	10	7.07
(1,148)	1:12:A:LYS:C	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	5	7.07
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	5	7.06
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	5	7.06
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	5	7.06
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	9	7.06
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	4	7.06
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	10	7.06
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	2	7.06
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	2	7.06
(1,145)	1:12:C:LYS:C	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	5	7.06
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	5	7.05
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	10	7.05
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	10	7.05
(1,1487)	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1:100:F:GLU:N	8	7.05
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	5	7.05
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	5	7.05
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	10	7.05
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	2	7.05
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	2	7.05
(1,154)	1:12:L:LYS:C	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	5	7.05
(1,151)	1:12:I:LYS:C	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	5	7.05
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	3	7.05
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	10	7.04
(1,1479)	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1:100:A:GLU:N	8	7.04
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	4	7.04
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	10	7.04
(1,156)	1:12:K:LYS:C	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	5	7.04
(1,149)	1:12:G:LYS:C	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	5	7.04
(1,147)	1:12:B:LYS:C	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	5	7.04
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	10	7.03
(1,1483)	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1:100:D:GLU:N	8	7.03
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	9	7.03
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	9	7.03
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	9	7.03
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	4	7.03
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	4	7.03
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	4	7.03
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	4	7.03
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	10	7.03
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	10	7.03
(1,150)	1:12:F:LYS:C	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	5	7.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	10	7.02
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	6	7.02
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	10	7.02
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	10	7.02
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	10	7.02
(1,1894)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:TYR:N	1	7.02
(1,1486)	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1:100:C:GLU:N	8	7.02
(1,1477)	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1:100:H:GLU:N	8	7.02
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	9	7.02
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	4	7.02
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	10	7.02
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	10	7.02
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	10	7.01
(1,1889)	1:117:I:GLU:N	1:117:I:GLU:CA	1:117:I:GLU:C	1:118:I:TYR:N	1	7.01
(1,1484)	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1:100:G:GLU:N	8	7.01
(1,1480)	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1:100:L:GLU:N	8	7.01
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	9	7.01
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	9	7.01
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	4	7.01
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	4	7.01
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	4	7.01
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	10	7.01
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	6	7.0
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	6	7.0
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	4	7.0
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	4	7.0
(1,153)	1:12:J:LYS:C	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	5	7.0
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	3	7.0
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	3	7.0
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	6	6.99
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	10	6.99
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	6	6.99
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	10	6.99
(1,1893)	1:117:E:GLU:N	1:117:E:GLU:CA	1:117:E:GLU:C	1:118:E:TYR:N	1	6.99
(1,1888)	1:117:G:GLU:N	1:117:G:GLU:CA	1:117:G:GLU:C	1:118:G:TYR:N	1	6.99
(1,1488)	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1:100:J:GLU:N	8	6.99
(1,1481)	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1:100:E:GLU:N	8	6.99
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	9	6.99
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	9	6.99
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	4	6.99
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	4	6.99
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	4	6.99
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	4	6.99
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	4	6.99
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	10	6.99
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	3	6.99
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	6	6.98
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	6	6.98
(1,1485)	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1:100:B:GLU:N	8	6.98
(1,1482)	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1:100:I:GLU:N	8	6.98
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	4	6.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	4	6.98
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	3	6.98
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	6	6.97
(1,1896)	1:117:D:GLU:N	1:117:D:GLU:CA	1:117:D:GLU:C	1:118:D:TYR:N	1	6.97
(1,1892)	1:117:J:GLU:N	1:117:J:GLU:CA	1:117:J:GLU:C	1:118:J:TYR:N	1	6.97
(1,1891)	1:117:L:GLU:N	1:117:L:GLU:CA	1:117:L:GLU:C	1:118:L:TYR:N	1	6.97
(1,1887)	1:117:B:GLU:N	1:117:B:GLU:CA	1:117:B:GLU:C	1:118:B:TYR:N	1	6.97
(1,1886)	1:117:F:GLU:N	1:117:F:GLU:CA	1:117:F:GLU:C	1:118:F:TYR:N	1	6.97
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	4	6.97
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	4	6.97
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	4	6.97
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	6	6.96
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	1	6.96
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	1	6.96
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	9	6.96
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	10	6.96
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	6	6.95
(1,1885)	1:117:C:GLU:N	1:117:C:GLU:CA	1:117:C:GLU:C	1:118:C:TYR:N	1	6.95
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	4	6.95
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	10	6.95
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	10	6.95
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	10	6.95
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	10	6.95
(1,1890)	1:117:H:GLU:N	1:117:H:GLU:CA	1:117:H:GLU:C	1:118:H:TYR:N	1	6.94
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	1	6.94
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	4	6.94
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	10	6.94
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	10	6.94
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	3	6.94
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	1	6.93
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	10	6.93
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	3	6.93
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	6	6.92
(1,1895)	1:117:K:GLU:N	1:117:K:GLU:CA	1:117:K:GLU:C	1:118:K:TYR:N	1	6.92
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	1	6.92
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	1	6.92
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	1	6.92
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	9	6.92
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	3	6.92
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	6	6.91
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	3	6.91
(1,921)	1:69:I:GLY:C	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	5	6.91
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	10	6.91
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	3	6.91
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	1	6.9
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	3	6.9
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	3	6.9
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	8	6.89
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	1	6.89
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	3	6.89
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	3	6.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	10	6.89
(1,1700)	1:109:B:GLY:N	1:109:B:GLY:CA	1:109:B:GLY:C	1:110:B:PHE:N	8	6.88
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	3	6.88
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	3	6.88
(1,923)	1:69:C:GLY:C	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	5	6.88
(1,918)	1:69:H:GLY:C	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	5	6.88
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	10	6.88
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	3	6.88
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	8	6.87
(1,1703)	1:109:I:GLY:N	1:109:I:GLY:CA	1:109:I:GLY:C	1:110:I:PHE:N	8	6.87
(1,1698)	1:109:E:GLY:N	1:109:E:GLY:CA	1:109:E:GLY:C	1:110:E:PHE:N	8	6.87
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	1	6.87
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	1	6.87
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	1	6.87
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	3	6.87
(1,919)	1:69:B:GLY:C	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	5	6.87
(1,915)	1:69:A:GLY:C	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	5	6.87
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	10	6.87
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	8	6.86
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	8	6.86
(1,1697)	1:109:L:GLY:N	1:109:L:GLY:CA	1:109:L:GLY:C	1:110:L:PHE:N	8	6.86
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	3	6.86
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	3	6.86
(1,914)	1:69:L:GLY:C	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	5	6.86
(1,651)	1:51:K:GLY:C	1:52:K:ARG:N	1:52:K:ARG:CA	1:52:K:ARG:C	8	6.86
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	3	6.86
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	3	6.86
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	8	6.85
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	8	6.85
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	8	6.85
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	2	6.85
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	6	6.85
(1,1702)	1:109:F:GLY:N	1:109:F:GLY:CA	1:109:F:GLY:C	1:110:F:PHE:N	8	6.85
(1,1701)	1:109:C:GLY:N	1:109:C:GLY:CA	1:109:C:GLY:C	1:110:C:PHE:N	8	6.85
(1,1695)	1:109:K:GLY:N	1:109:K:GLY:CA	1:109:K:GLY:C	1:110:K:PHE:N	8	6.85
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	3	6.85
(1,924)	1:69:D:GLY:C	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	5	6.85
(1,922)	1:69:F:GLY:C	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	5	6.85
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	10	6.85
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	2	6.84
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	6	6.84
(1,1704)	1:109:J:GLY:N	1:109:J:GLY:CA	1:109:J:GLY:C	1:110:J:PHE:N	8	6.84
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	3	6.84
(1,913)	1:69:K:GLY:C	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	5	6.84
(1,649)	1:51:J:GLY:C	1:52:J:ARG:N	1:52:J:ARG:CA	1:52:J:ARG:C	8	6.84
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	6	6.84
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	10	6.84
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	10	6.84
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	7	6.84
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	8	6.83
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	2	6.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1693)	1:109:H:GLY:N	1:109:H:GLY:CA	1:109:H:GLY:C	1:110:H:PHE:N	8	6.83
(1,920)	1:69:G:GLY:C	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	5	6.83
(1,916)	1:69:E:GLY:C	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	5	6.83
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	6	6.83
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	10	6.83
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	10	6.83
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	10	6.83
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	6	6.82
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	6	6.82
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	6	6.82
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	10	6.82
(1,1696)	1:109:A:GLY:N	1:109:A:GLY:CA	1:109:A:GLY:C	1:110:A:PHE:N	8	6.82
(1,1694)	1:109:G:GLY:N	1:109:G:GLY:CA	1:109:G:GLY:C	1:110:G:PHE:N	8	6.82
(1,654)	1:51:L:GLY:C	1:52:L:ARG:N	1:52:L:ARG:CA	1:52:L:ARG:C	8	6.82
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	6	6.82
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	7	6.82
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	8	6.81
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	6	6.81
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	6	6.81
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	2	6.81
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	6	6.81
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	6	6.81
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	6	6.81
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	6	6.81
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	10	6.81
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	7	6.81
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	7	6.81
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	2	6.8
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	2	6.8
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	2	6.8
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	6	6.8
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	10	6.8
(1,1699)	1:109:D:GLY:N	1:109:D:GLY:CA	1:109:D:GLY:C	1:110:D:PHE:N	8	6.8
(1,657)	1:51:G:GLY:C	1:52:G:ARG:N	1:52:G:ARG:CA	1:52:G:ARG:C	8	6.8
(1,656)	1:51:C:GLY:C	1:52:C:ARG:N	1:52:C:ARG:CA	1:52:C:ARG:C	8	6.8
(1,655)	1:51:B:GLY:C	1:52:B:ARG:N	1:52:B:ARG:CA	1:52:B:ARG:C	8	6.8
(1,653)	1:51:D:GLY:C	1:52:D:ARG:N	1:52:D:ARG:CA	1:52:D:ARG:C	8	6.8
(1,650)	1:51:E:GLY:C	1:52:E:ARG:N	1:52:E:ARG:CA	1:52:E:ARG:C	8	6.8
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	6	6.8
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	10	6.8
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	7	6.8
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	7	6.8
(1,164)	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	1:14:E:LEU:N	6	6.8
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	8	6.79
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	6	6.79
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	2	6.79
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	2	6.79
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	6	6.79
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	10	6.79
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	10	6.79
(1,917)	1:69:J:GLY:C	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	5	6.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,660)	1:51:H:GLY:C	1:52:H:ARG:N	1:52:H:ARG:CA	1:52:H:ARG:C	8	6.79
(1,659)	1:51:I:GLY:C	1:52:I:ARG:N	1:52:I:ARG:CA	1:52:I:ARG:C	8	6.79
(1,658)	1:51:F:GLY:C	1:52:F:ARG:N	1:52:F:ARG:CA	1:52:F:ARG:C	8	6.79
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	10	6.79
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	7	6.79
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	8	6.78
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	6	6.78
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	2	6.78
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	2	6.78
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	6	6.78
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	10	6.78
(1,652)	1:51:A:GLY:C	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	8	6.78
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	6	6.78
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	6	6.78
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	6	6.78
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	9	6.78
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	7	6.78
(1,168)	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	1:14:K:LEU:N	6	6.78
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	8	6.77
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	6	6.77
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	10	6.77
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	7	6.77
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	7	6.77
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	7	6.77
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	6	6.76
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	6	6.76
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	6	6.76
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	6	6.76
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	6	6.76
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	6	6.76
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	10	6.76
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	10	6.76
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	9	6.76
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	7	6.76
(1,162)	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	1:14:F:LEU:N	6	6.76
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	10	6.75
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	4	6.75
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	6	6.75
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	6	6.75
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	9	6.75
(1,167)	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	1:14:D:LEU:N	6	6.75
(1,161)	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	1:14:G:LEU:N	6	6.75
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	6	6.74
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	6	6.74
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	6	6.74
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	10	6.74
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	9	6.74
(1,163)	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	1:14:I:LEU:N	6	6.74
(1,158)	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	1:14:H:LEU:N	6	6.74
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	2	6.73
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	10	6.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	6	6.73
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	9	6.73
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	9	6.73
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	9	6.73
(1,165)	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	1:14:J:LEU:N	6	6.73
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	10	6.72
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	10	6.72
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	9	6.72
(1,160)	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	1:14:A:LEU:N	6	6.72
(1,157)	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	1:14:C:LEU:N	6	6.72
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	8	6.71
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	4	6.71
(1,159)	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	1:14:B:LEU:N	6	6.71
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	4	6.7
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	3	6.7
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	3	6.7
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	9	6.7
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	9	6.7
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	9	6.7
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	7	6.69
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	8	6.69
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	3	6.69
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	9	6.69
(1,166)	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	1:14:L:LEU:N	6	6.69
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	8	6.68
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	8	6.68
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	4	6.68
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	4	6.68
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	4	6.68
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	8	6.67
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	3	6.67
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	4	6.67
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	9	6.67
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	9	6.67
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	6	6.67
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	6	6.67
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	7	6.66
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	8	6.66
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	8	6.66
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	8	6.66
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	8	6.66
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	3	6.66
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	3	6.66
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	9	6.66
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	9	6.66
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	9	6.66
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	9	6.66
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	6	6.66
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	7	6.65
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	7	6.65
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	3	6.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	3	6.65
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	4	6.65
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	3	6.65
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	4	6.65
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	3	6.65
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	9	6.65
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	7	6.64
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	7	6.64
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	7	6.64
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	4	6.64
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	4	6.64
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	3	6.64
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	3	6.64
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	3	6.64
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	3	6.64
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	6	6.64
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	6	6.64
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	6	6.64
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	8	6.63
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	8	6.63
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	3	6.63
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	9	6.63
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	6	6.63
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	7	6.62
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	7	6.62
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	3	6.62
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	6	6.62
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	7	6.61
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	3	6.61
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	4	6.61
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	3	6.61
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	3	6.61
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	9	6.61
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	9	6.61
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	6	6.61
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	7	6.6
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	7	6.6
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	8	6.6
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	3	6.6
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	3	6.6
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	9	6.6
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	9	6.6
(1,1805)	1:113:K:ILE:C	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	5	6.59
(1,1802)	1:113:E:ILE:C	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	5	6.59
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	3	6.59
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	9	6.59
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	6	6.59
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	9	6.59
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	9	6.59
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	9	6.59
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	3	6.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	3	6.58
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	3	6.58
(1,1807)	1:113:I:ILE:C	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	5	6.58
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	6	6.58
(1,1781)	1:112:A:TYR:C	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	3	6.57
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	3	6.57
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	9	6.57
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	9	6.57
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	3	6.56
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	9	6.56
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	6	6.56
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	2	6.56
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	9	6.56
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	3	6.55
(1,1804)	1:113:D:ILE:C	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	5	6.55
(1,1803)	1:113:J:ILE:C	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	5	6.55
(1,1779)	1:112:H:TYR:C	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	3	6.55
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	9	6.55
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	9	6.55
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	2	6.55
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	9	6.55
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	3	6.54
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	3	6.54
(1,1806)	1:113:L:ILE:C	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	5	6.54
(1,1783)	1:112:F:TYR:C	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	3	6.54
(1,1782)	1:112:G:TYR:C	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	3	6.54
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	4	6.54
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	2	6.54
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	9	6.54
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	3	6.53
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	3	6.53
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	3	6.53
(1,1811)	1:113:B:ILE:C	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	5	6.53
(1,1809)	1:113:G:ILE:C	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	5	6.53
(1,1780)	1:112:B:TYR:C	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	3	6.53
(1,1777)	1:112:C:TYR:C	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	3	6.53
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	9	6.53
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	2	6.53
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	3	6.52
(1,1808)	1:113:C:ILE:C	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	5	6.52
(1,1786)	1:112:J:TYR:C	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	3	6.52
(1,1778)	1:112:L:TYR:C	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	3	6.52
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	9	6.52
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	9	6.52
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	9	6.52
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	9	6.52
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	3	6.51
(1,1812)	1:113:A:ILE:C	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	5	6.51
(1,1787)	1:112:D:TYR:C	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	3	6.51
(1,1784)	1:112:I:TYR:C	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	3	6.51
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	4	6.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,840)	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	1:66:C:THR:N	7	6.51
(1,839)	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	1:66:H:THR:N	7	6.51
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	9	6.51
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	9	6.51
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	9	6.51
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	2	6.51
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	9	6.51
(1,1810)	1:113:H:ILE:C	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	5	6.5
(1,1801)	1:113:F:ILE:C	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	5	6.5
(1,1788)	1:112:K:TYR:C	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	3	6.5
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	4	6.5
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	9	6.5
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	4	6.49
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	4	6.49
(1,1785)	1:112:E:TYR:C	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	3	6.49
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	4	6.49
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	4	6.49
(1,838)	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	1:66:I:THR:N	7	6.49
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	9	6.49
(1,341)	1:24:I:SER:C	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	4	6.49
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	2	6.49
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	2	6.49
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	3	6.48
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	4	6.48
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	4	6.48
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	4	6.48
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	4	6.48
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	4	6.48
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	4	6.48
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	4	6.48
(1,833)	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	1:66:E:THR:N	7	6.48
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	2	6.48
(1,346)	1:24:E:SER:C	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	4	6.48
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	2	6.48
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	2	6.48
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	2	6.48
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	9	6.48
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	4	6.47
(1,836)	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	1:66:B:THR:N	7	6.47
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	2	6.47
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	2	6.47
(1,344)	1:24:K:SER:C	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	4	6.47
(1,338)	1:24:C:SER:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	4	6.47
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	2	6.47
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	4	6.46
(1,835)	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	1:66:A:THR:N	7	6.46
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	2	6.46
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	2	6.46
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	2	6.46
(1,347)	1:24:J:SER:C	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	4	6.46
(1,340)	1:24:G:SER:C	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	4	6.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	2	6.46
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	4	6.45
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	4	6.45
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	4	6.45
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	4	6.45
(1,834)	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	1:66:F:THR:N	7	6.45
(1,829)	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	1:66:K:THR:N	7	6.45
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	2	6.45
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	1	6.44
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	4	6.44
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	2	6.44
(1,831)	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	1:66:D:THR:N	7	6.44
(1,830)	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	1:66:L:THR:N	7	6.44
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	2	6.44
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	2	6.44
(1,348)	1:24:H:SER:C	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	4	6.44
(1,345)	1:24:L:SER:C	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	4	6.44
(1,342)	1:24:D:SER:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	4	6.44
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	2	6.43
(1,837)	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	1:66:G:THR:N	7	6.43
(1,832)	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	1:66:J:THR:N	7	6.43
(1,343)	1:24:A:SER:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	4	6.43
(1,337)	1:24:F:SER:C	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	4	6.43
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	4	6.42
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	2	6.42
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	2	6.42
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	2	6.42
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	2	6.42
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	2	6.42
(1,339)	1:24:B:SER:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	4	6.42
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	1	6.41
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	4	6.41
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	4	6.41
(1,1831)	1:114:L:GLU:C	1:115:L:SER:N	1:115:L:SER:CA	1:115:L:SER:C	10	6.41
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	2	6.41
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	2	6.41
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	1	6.4
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	2	6.4
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	1	6.39
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	1	6.39
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	1	6.39
(1,1829)	1:114:I:GLU:C	1:115:I:SER:N	1:115:I:SER:CA	1:115:I:SER:C	10	6.39
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	1	6.39
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	2	6.39
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	2	6.39
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	1	6.38
(1,1828)	1:114:F:GLU:C	1:115:F:SER:N	1:115:F:SER:CA	1:115:F:SER:C	10	6.38
(1,1826)	1:114:C:GLU:C	1:115:C:SER:N	1:115:C:SER:CA	1:115:C:SER:C	10	6.38
(1,1825)	1:114:B:GLU:C	1:115:B:SER:N	1:115:B:SER:CA	1:115:B:SER:C	10	6.38
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	1	6.38
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	1	6.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1836)	1:114:D:GLU:C	1:115:D:SER:N	1:115:D:SER:CA	1:115:D:SER:C	10	6.37
(1,1830)	1:114:H:GLU:C	1:115:H:SER:N	1:115:H:SER:CA	1:115:H:SER:C	10	6.37
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	2	6.37
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	1	6.36
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	1	6.36
(1,1834)	1:114:K:GLU:C	1:115:K:SER:N	1:115:K:SER:CA	1:115:K:SER:C	10	6.36
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	6	6.36
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	2	6.36
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	1	6.35
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	5	6.35
(1,1827)	1:114:G:GLU:C	1:115:G:SER:N	1:115:G:SER:CA	1:115:G:SER:C	10	6.35
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	2	6.35
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	6	6.35
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	6	6.35
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	1	6.34
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	5	6.34
(1,1835)	1:114:A:GLU:C	1:115:A:SER:N	1:115:A:SER:CA	1:115:A:SER:C	10	6.34
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	5	6.33
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	5	6.32
(1,1833)	1:114:E:GLU:C	1:115:E:SER:N	1:115:E:SER:CA	1:115:E:SER:C	10	6.32
(1,1832)	1:114:J:GLU:C	1:115:J:SER:N	1:115:J:SER:CA	1:115:J:SER:C	10	6.32
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	6	6.32
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	6	6.32
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	1	6.32
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	5	6.31
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	5	6.31
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	5	6.31
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	5	6.31
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	2	6.31
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	6	6.31
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	6	6.31
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	1	6.31
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	5	6.31
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	5	6.3
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	5	6.3
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	2	6.3
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	6	6.3
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	6	6.3
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	2	6.3
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	5	6.3
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	5	6.3
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	3	6.29
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	5	6.29
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	2	6.29
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	6	6.29
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	1	6.29
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	5	6.29
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	5	6.29
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	5	6.29
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	5	6.28
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	6	6.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	1	6.28
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	5	6.28
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	5	6.28
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	2	6.27
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	2	6.27
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	6	6.27
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	1	6.27
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	1	6.27
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	3	6.26
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	3	6.26
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	10	6.26
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	5	6.26
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	2	6.26
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	2	6.26
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	1	6.26
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	1	6.26
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	9	6.26
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	5	6.26
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	3	6.25
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	2	6.25
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	2	6.25
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	2	6.25
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1	6.25
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	1	6.25
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	1	6.25
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	5	6.25
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	5	6.25
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	9	6.25
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	5	6.25
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	5	6.25
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	5	6.25
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	3	6.24
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	3	6.24
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	4	6.24
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	2	6.24
(1,1748)	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	1:112:B:TYR:N	10	6.24
(1,1742)	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	1:112:L:TYR:N	10	6.24
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	9	6.24
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	9	6.24
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	5	6.24
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	5	6.24
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	3	6.23
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	3	6.23
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	4	6.23
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	4	6.23
(1,1745)	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	1:112:E:TYR:N	10	6.23
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	9	6.23
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	9	6.23
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	5	6.23
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	5	6.23
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	3	6.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	3	6.22
(1,1744)	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	1:112:J:TYR:N	10	6.22
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	9	6.22
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	9	6.22
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	9	6.22
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	5	6.22
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	3	6.21
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	4	6.21
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	4	6.21
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	4	6.21
(1,1751)	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	1:112:H:TYR:N	10	6.21
(1,1749)	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	1:112:G:TYR:N	10	6.21
(1,1741)	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	1:112:K:TYR:N	10	6.21
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	9	6.21
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	9	6.21
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	10	6.2
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	4	6.2
(1,1752)	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	1:112:C:TYR:N	10	6.2
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	7	6.2
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	7	6.2
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1	6.2
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1	6.2
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1	6.2
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1	6.2
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	9	6.2
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	5	6.2
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	10	6.19
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	10	6.19
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	10	6.19
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	10	6.19
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	4	6.19
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	7	6.19
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	7	6.19
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1	6.19
(1,178)	1:13:B:TYR:C	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	6	6.19
(1,174)	1:13:D:TYR:C	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	6	6.19
(1,172)	1:13:K:TYR:C	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	6	6.19
(1,170)	1:13:E:TYR:C	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	6	6.19
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	5	6.19
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	5	6.19
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	3	6.18
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	10	6.18
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	10	6.18
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	4	6.18
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	4	6.18
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	4	6.18
(1,1747)	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	1:112:A:TYR:N	10	6.18
(1,1743)	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	1:112:D:TYR:N	10	6.18
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	7	6.18
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	10	6.17
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	4	6.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	7	6.17
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	7	6.17
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	7	6.17
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	7	6.17
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	7	6.17
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1	6.17
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1	6.17
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1	6.17
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1	6.17
(1,179)	1:13:J:TYR:C	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	6	6.17
(1,175)	1:13:C:TYR:C	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	6	6.17
(1,171)	1:13:I:TYR:C	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	6	6.17
(1,1746)	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	1:112:F:TYR:N	10	6.16
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	7	6.16
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	5	6.16
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	10	6.15
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	10	6.15
(1,1750)	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	1:112:I:TYR:N	10	6.15
(1,176)	1:13:G:TYR:C	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	6	6.15
(1,173)	1:13:L:TYR:C	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	6	6.15
(1,2831)	1:171:H:PRO:N	1:171:H:PRO:CA	1:171:H:PRO:C	1:172:H:GLY:N	10	6.14
(1,2830)	1:171:K:PRO:N	1:171:K:PRO:CA	1:171:K:PRO:C	1:172:K:GLY:N	10	6.14
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	10	6.14
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1	6.14
(1,2832)	1:171:J:PRO:N	1:171:J:PRO:CA	1:171:J:PRO:C	1:172:J:GLY:N	10	6.13
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1	6.13
(1,169)	1:13:A:TYR:C	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	6	6.13
(1,2828)	1:171:E:PRO:N	1:171:E:PRO:CA	1:171:E:PRO:C	1:172:E:GLY:N	10	6.12
(1,2822)	1:171:C:PRO:N	1:171:C:PRO:CA	1:171:C:PRO:C	1:172:C:GLY:N	10	6.12
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	10	6.12
(1,180)	1:13:H:TYR:C	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	6	6.12
(1,2826)	1:171:L:PRO:N	1:171:L:PRO:CA	1:171:L:PRO:C	1:172:L:GLY:N	10	6.11
(1,2821)	1:171:F:PRO:N	1:171:F:PRO:CA	1:171:F:PRO:C	1:172:F:GLY:N	10	6.11
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	10	6.11
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	10	6.11
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	7	6.11
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	10	6.11
(1,177)	1:13:F:TYR:C	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	6	6.11
(1,2824)	1:171:G:PRO:N	1:171:G:PRO:CA	1:171:G:PRO:C	1:172:G:GLY:N	10	6.1
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	10	6.1
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	10	6.1
(1,2825)	1:171:I:PRO:N	1:171:I:PRO:CA	1:171:I:PRO:C	1:172:I:GLY:N	10	6.09
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	10	6.09
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	10	6.09
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	10	6.08
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	10	6.08
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	10	6.08
(1,2829)	1:171:A:PRO:N	1:171:A:PRO:CA	1:171:A:PRO:C	1:172:A:GLY:N	10	6.07
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	10	6.07
(1,2827)	1:171:D:PRO:N	1:171:D:PRO:CA	1:171:D:PRO:C	1:172:D:GLY:N	10	6.06
(1,2823)	1:171:B:PRO:N	1:171:B:PRO:CA	1:171:B:PRO:C	1:172:B:GLY:N	10	6.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	9	6.02
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	9	6.02
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	9	6.01
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	9	6.01
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	9	6.01
(1,789)	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	1:64:I:GLU:N	10	6.01
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	9	6.0
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	9	6.0
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	9	6.0
(1,792)	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	1:64:A:GLU:N	10	6.0
(1,791)	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	1:64:B:GLU:N	10	6.0
(1,786)	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	1:64:L:GLU:N	10	6.0
(1,782)	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	1:64:E:GLU:N	10	6.0
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	9	6.0
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	9	5.99
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	9	5.99
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	9	5.98
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	9	5.98
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	9	5.98
(1,788)	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	1:64:C:GLU:N	10	5.98
(1,783)	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	1:64:J:GLU:N	10	5.98
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	9	5.97
(1,790)	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	1:64:H:GLU:N	10	5.97
(1,784)	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	1:64:D:GLU:N	10	5.97
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	1	5.97
(1,787)	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	1:64:G:GLU:N	10	5.96
(1,785)	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	1:64:K:GLU:N	10	5.96
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	4	5.96
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	1	5.96
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	1	5.96
(1,2569)	1:152:E:ASN:C	1:153:E:VAL:N	1:153:E:VAL:CA	1:153:E:VAL:C	7	5.95
(1,2580)	1:152:J:ASN:C	1:153:J:VAL:N	1:153:J:VAL:CA	1:153:J:VAL:C	7	5.94
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	10	5.94
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	1	5.94
(1,977)	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1:75:A:GLY:N	6	5.93
(1,976)	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1:75:J:GLY:N	6	5.93
(1,781)	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	1:64:F:GLU:N	10	5.93
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	4	5.93
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	1	5.93
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	9	5.93
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	9	5.93
(1,2570)	1:152:A:ASN:C	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	7	5.92
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	10	5.92
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	10	5.92
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	7	5.92
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	4	5.92
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	1	5.92
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	1	5.92
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	1	5.92
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	1	5.92
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	9	5.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2577)	1:152:G:ASN:C	1:153:G:VAL:N	1:153:G:VAL:CA	1:153:G:VAL:C	7	5.91
(1,2571)	1:152:K:ASN:C	1:153:K:VAL:N	1:153:K:VAL:CA	1:153:K:VAL:C	7	5.91
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	10	5.91
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	10	5.91
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	10	5.91
(1,983)	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1:75:H:GLY:N	6	5.91
(1,974)	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1:75:L:GLY:N	6	5.91
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	4	5.91
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	4	5.91
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	1	5.91
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	1	5.91
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	1	5.91
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	9	5.91
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	9	5.91
(1,978)	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1:75:B:GLY:N	6	5.9
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	7	5.9
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	2	5.9
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	2	5.9
(1,2578)	1:152:I:ASN:C	1:153:I:VAL:N	1:153:I:VAL:CA	1:153:I:VAL:C	7	5.89
(1,2575)	1:152:F:ASN:C	1:153:F:VAL:N	1:153:F:VAL:CA	1:153:F:VAL:C	7	5.89
(1,2572)	1:152:L:ASN:C	1:153:L:VAL:N	1:153:L:VAL:CA	1:153:L:VAL:C	7	5.89
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	10	5.89
(1,984)	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1:75:K:GLY:N	6	5.89
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	7	5.89
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	7	5.89
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	7	5.89
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	4	5.89
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	9	5.89
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	10	5.88
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	10	5.88
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	7	5.88
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	2	5.88
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	4	5.88
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	9	5.88
(1,2579)	1:152:H:ASN:C	1:153:H:VAL:N	1:153:H:VAL:CA	1:153:H:VAL:C	7	5.87
(1,2576)	1:152:B:ASN:C	1:153:B:VAL:N	1:153:B:VAL:CA	1:153:B:VAL:C	7	5.87
(1,2573)	1:152:D:ASN:C	1:153:D:VAL:N	1:153:D:VAL:CA	1:153:D:VAL:C	7	5.87
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	10	5.87
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	10	5.87
(1,981)	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1:75:F:GLY:N	6	5.87
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	2	5.87
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	4	5.87
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	4	5.87
(1,2574)	1:152:C:ASN:C	1:153:C:VAL:N	1:153:C:VAL:CA	1:153:C:VAL:C	7	5.86
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	10	5.86
(1,979)	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1:75:E:GLY:N	6	5.86
(1,973)	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1:75:C:GLY:N	6	5.86
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	7	5.86
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	2	5.86
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	2	5.86
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	2	5.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	9	5.86
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	4	5.86
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	4	5.86
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	9	5.85
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	7	5.85
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	4	5.85
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	4	5.85
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	4	5.85
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	9	5.84
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	2	5.84
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	4	5.84
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	4	5.84
(1,982)	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1:75:I:GLY:N	6	5.83
(1,980)	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1:75:G:GLY:N	6	5.83
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	7	5.83
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	2	5.83
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	4	5.83
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	4	5.83
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	9	5.82
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	7	5.82
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	7	5.82
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	2	5.82
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	4	5.82
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	9	5.82
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	7	5.81
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	2	5.81
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	4	5.81
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	9	5.8
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	9	5.8
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	9	5.8
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	3	5.8
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	2	5.8
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	5	5.8
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	4	5.8
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	4	5.8
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	4	5.8
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	9	5.79
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	3	5.79
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	2	5.79
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	5	5.79
(1,975)	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1:75:D:GLY:N	6	5.79
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	2	5.79
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	4	5.79
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	9	5.77
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	9	5.77
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	2	5.77
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	2	5.77
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	2	5.77
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	2	5.77
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	2	5.77
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	2	5.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	5	5.77
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	5	5.77
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	9	5.76
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	9	5.76
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	3	5.76
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	2	5.76
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	2	5.76
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	3	5.75
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	3	5.75
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	3	5.75
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	2	5.75
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	2	5.75
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	2	5.75
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1	5.75
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	3	5.74
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	3	5.74
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	3	5.74
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	2	5.74
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	5	5.74
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	5	5.74
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	9	5.73
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	3	5.73
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	2	5.73
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	2	5.73
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	2	5.73
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	2	5.73
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	2	5.73
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	2	5.73
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1	5.73
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	2	5.73
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	2	5.73
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	3	5.72
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	10	5.72
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	2	5.72
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1	5.72
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1	5.72
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1	5.72
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1	5.72
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	5	5.72
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	5	5.71
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	5	5.71
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	6	5.71
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	2	5.71
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1	5.71
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	5	5.71
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	7	5.71
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	6	5.7
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1	5.7
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	7	5.7
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	10	5.69
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	6	5.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	6	5.69
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	6	5.69
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1	5.69
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	5	5.69
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	7	5.69
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	10	5.68
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	2	5.68
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1	5.68
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	5	5.68
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	5	5.68
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	7	5.68
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	7	5.68
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	7	5.68
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	7	5.68
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	5	5.67
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	3	5.67
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	10	5.67
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	10	5.67
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	10	5.67
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	10	5.67
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	6	5.67
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	2	5.67
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	2	5.67
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	5	5.66
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	5	5.66
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	10	5.66
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	6	5.66
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	2	5.66
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	5	5.66
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	6	5.66
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	6	5.66
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	5	5.66
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	5	5.66
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	10	5.65
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	10	5.65
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	5	5.65
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	6	5.65
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	6	5.65
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	6	5.65
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	6	5.65
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	2	5.65
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1	5.65
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	6	5.65
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	7	5.65
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	7	5.65
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	5	5.64
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	5	5.64
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	5	5.64
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	10	5.64
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	2	5.64
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	6	5.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	4	5.64
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	5	5.64
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	7	5.64
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	7	5.64
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	7	5.64
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	6	5.63
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	5	5.63
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	5	5.63
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	5	5.63
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	5	5.63
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	5	5.63
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	2	5.63
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	2	5.63
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	5	5.63
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	6	5.63
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	6	5.63
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	5	5.63
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	5	5.63
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	5	5.63
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	5	5.62
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	6	5.62
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	5	5.62
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	6	5.62
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	6	5.62
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	2	5.62
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	2	5.62
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	2	5.62
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1	5.62
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	6	5.62
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	6	5.62
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	6	5.62
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	4	5.62
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	4	5.62
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	4	5.62
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	5	5.62
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	5	5.62
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	6	5.61
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	6	5.61
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	10	5.61
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	5	5.61
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	5	5.61
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	6	5.6
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	6	5.6
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	4	5.6
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	4	5.6
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	4	5.6
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	5	5.6
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	6	5.59
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	5	5.59
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	5	5.59
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	8	5.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	6	5.59
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	4	5.59
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	5	5.59
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	5	5.58
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	2	5.58
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	8	5.58
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	4	5.58
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	6	5.57
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	5	5.57
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	5	5.57
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	5	5.57
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	8	5.57
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	8	5.57
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	4	5.57
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	5	5.57
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	6	5.56
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	8	5.56
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	8	5.56
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	8	5.56
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	4	5.56
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	4	5.56
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	6	5.55
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	6	5.55
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	6	5.55
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	8	5.55
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	8	5.55
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	6	5.54
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	8	5.54
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	8	5.53
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	1	5.51
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	3	5.51
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	3	5.51
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	7	5.51
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	3	5.51
(1,145)	1:12:C:LYS:C	1:13:C:TYR:N	1:13:C:TYR:CA	1:13:C:TYR:C	2	5.51
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	7	5.5
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	1	5.49
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	1	5.49
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	1	5.49
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	8	5.49
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	7	5.49
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	7	5.49
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	3	5.49
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	3	5.48
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	7	5.48
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	3	5.48
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	1	5.47
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	1	5.47
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	7	5.47
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	3	5.47
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	7	5.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	3	5.47
(1,153)	1:12:J:LYS:C	1:13:J:TYR:N	1:13:J:TYR:CA	1:13:J:TYR:C	2	5.47
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	1	5.46
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	1	5.46
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	3	5.46
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	7	5.46
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	7	5.46
(1,201)	1:14:I:LEU:C	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	2	5.46
(1,150)	1:12:F:LYS:C	1:13:F:TYR:N	1:13:F:TYR:CA	1:13:F:TYR:C	2	5.46
(1,2636)	1:158:C:TYR:N	1:158:C:TYR:CA	1:158:C:TYR:C	1:159:C:ASP:N	1	5.45
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	1	5.45
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	1	5.45
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	1	5.45
(1,156)	1:12:K:LYS:C	1:13:K:TYR:N	1:13:K:TYR:CA	1:13:K:TYR:C	2	5.45
(1,152)	1:12:E:LYS:C	1:13:E:TYR:N	1:13:E:TYR:CA	1:13:E:TYR:C	2	5.45
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	1	5.44
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	3	5.44
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	7	5.44
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	7	5.44
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	3	5.44
(1,200)	1:14:G:LEU:C	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	2	5.44
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	3	5.43
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	7	5.43
(1,197)	1:14:H:LEU:C	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	2	5.43
(1,154)	1:12:L:LYS:C	1:13:L:TYR:N	1:13:L:TYR:CA	1:13:L:TYR:C	2	5.43
(1,148)	1:12:A:LYS:C	1:13:A:TYR:N	1:13:A:TYR:CA	1:13:A:TYR:C	2	5.43
(1,799)	1:63:D:GLY:C	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	3	5.42
(1,199)	1:14:B:LEU:C	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	2	5.42
(1,151)	1:12:I:LYS:C	1:13:I:TYR:N	1:13:I:TYR:CA	1:13:I:TYR:C	2	5.42
(1,147)	1:12:B:LYS:C	1:13:B:TYR:N	1:13:B:TYR:CA	1:13:B:TYR:C	2	5.42
(1,146)	1:12:H:LYS:C	1:13:H:TYR:N	1:13:H:TYR:CA	1:13:H:TYR:C	2	5.42
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	4	5.42
(1,198)	1:14:J:LEU:C	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	2	5.41
(1,196)	1:14:A:LEU:C	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	2	5.41
(1,155)	1:12:D:LYS:C	1:13:D:TYR:N	1:13:D:TYR:CA	1:13:D:TYR:C	2	5.41
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	4	5.41
(1,2635)	1:158:J:TYR:N	1:158:J:TYR:CA	1:158:J:TYR:C	1:159:J:ASP:N	1	5.4
(1,2630)	1:158:A:TYR:N	1:158:A:TYR:CA	1:158:A:TYR:C	1:159:A:ASP:N	1	5.4
(1,203)	1:14:C:LEU:C	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	2	5.4
(1,193)	1:14:K:LEU:C	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	2	5.4
(1,2639)	1:158:G:TYR:N	1:158:G:TYR:CA	1:158:G:TYR:C	1:159:G:ASP:N	1	5.39
(1,2631)	1:158:E:TYR:N	1:158:E:TYR:CA	1:158:E:TYR:C	1:159:E:ASP:N	1	5.39
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	9	5.39
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	9	5.39
(1,403)	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	1:28:J:PHE:N	5	5.39
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	10	5.39
(1,202)	1:14:F:LEU:C	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	2	5.39
(1,195)	1:14:L:LEU:C	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	2	5.39
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	4	5.39
(1,2638)	1:158:B:TYR:N	1:158:B:TYR:CA	1:158:B:TYR:C	1:159:B:ASP:N	1	5.38
(1,2632)	1:158:K:TYR:N	1:158:K:TYR:CA	1:158:K:TYR:C	1:159:K:ASP:N	1	5.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2629)	1:158:I:TYR:N	1:158:I:TYR:CA	1:158:I:TYR:C	1:159:I:ASP:N	1	5.38
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	9	5.38
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	9	5.38
(1,803)	1:63:F:GLY:C	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	3	5.38
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	10	5.38
(1,204)	1:14:D:LEU:C	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	2	5.38
(1,194)	1:14:E:LEU:C	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	2	5.38
(1,149)	1:12:G:LYS:C	1:13:G:TYR:N	1:13:G:TYR:CA	1:13:G:TYR:C	2	5.38
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	4	5.38
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	4	5.38
(1,2640)	1:158:H:TYR:N	1:158:H:TYR:CA	1:158:H:TYR:C	1:159:H:ASP:N	1	5.37
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	9	5.37
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	9	5.37
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	10	5.37
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	4	5.36
(1,2637)	1:158:F:TYR:N	1:158:F:TYR:CA	1:158:F:TYR:C	1:159:F:ASP:N	1	5.36
(1,2633)	1:158:L:TYR:N	1:158:L:TYR:CA	1:158:L:TYR:C	1:159:L:ASP:N	1	5.36
(1,804)	1:63:J:GLY:C	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	3	5.36
(1,408)	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	1:28:L:PHE:N	5	5.36
(1,402)	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	1:28:H:PHE:N	5	5.36
(1,399)	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	1:28:G:PHE:N	5	5.36
(1,398)	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	1:28:C:PHE:N	5	5.36
(1,397)	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	1:28:B:PHE:N	5	5.36
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	10	5.36
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	4	5.36
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	4	5.36
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	6	5.35
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	6	5.35
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	4	5.35
(1,2634)	1:158:D:TYR:N	1:158:D:TYR:CA	1:158:D:TYR:C	1:159:D:ASP:N	1	5.35
(1,2047)	1:127:G:GLU:C	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	4	5.35
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	9	5.35
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	9	5.35
(1,404)	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	1:28:E:PHE:N	5	5.35
(1,401)	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	1:28:I:PHE:N	5	5.35
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	10	5.35
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	10	5.35
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	10	5.35
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	10	5.35
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	4	5.35
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	4	5.35
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	6	5.34
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	4	5.34
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	4	5.34
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	9	5.34
(1,795)	1:63:A:GLY:C	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	3	5.34
(1,406)	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	1:28:A:PHE:N	5	5.34
(1,405)	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	1:28:K:PHE:N	5	5.34
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	10	5.34
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	3	5.34
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	3	5.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	3	5.34
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	4	5.33
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	8	5.33
(1,2049)	1:127:J:GLU:C	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	4	5.33
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	10	5.33
(1,801)	1:63:B:GLY:C	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	3	5.33
(1,407)	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	1:28:D:PHE:N	5	5.33
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	3	5.33
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	4	5.33
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	6	5.32
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	6	5.32
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	6	5.32
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	6	5.32
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	6	5.32
(1,2048)	1:127:I:GLU:C	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	4	5.32
(1,2045)	1:127:E:GLU:C	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	4	5.32
(1,2043)	1:127:L:GLU:C	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	4	5.32
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	9	5.32
(1,798)	1:63:E:GLY:C	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	3	5.32
(1,797)	1:63:G:GLY:C	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	3	5.32
(1,796)	1:63:L:GLY:C	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	3	5.32
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	10	5.32
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	3	5.32
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	3	5.32
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	3	5.32
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	3	5.32
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	4	5.32
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	6	5.31
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	4	5.31
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	3	5.31
(1,2042)	1:127:A:GLU:C	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	4	5.31
(1,802)	1:63:C:GLY:C	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	3	5.31
(1,794)	1:63:K:GLY:C	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	3	5.31
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	10	5.31
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	3	5.31
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	4	5.31
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	8	5.3
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	3	5.3
(1,2046)	1:127:B:GLU:C	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	4	5.3
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	10	5.3
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	10	5.3
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	9	5.3
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	9	5.3
(1,800)	1:63:I:GLY:C	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	3	5.3
(1,793)	1:63:H:GLY:C	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	3	5.3
(1,400)	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	1:28:F:PHE:N	5	5.3
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	3	5.3
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	6	5.29
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	6	5.29
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	6	5.29
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	8	5.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	10	5.29
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	10	5.29
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	10	5.29
(1,920)	1:69:G:GLY:C	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	2	5.29
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	10	5.29
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	3	5.29
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	3	5.28
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	4	5.28
(1,2324)	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	1:142:D:GLU:N	6	5.28
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	8	5.28
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	8	5.28
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	3	5.28
(1,2051)	1:127:K:GLU:C	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	4	5.28
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	10	5.28
(1,914)	1:69:L:GLY:C	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	2	5.28
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	3	5.27
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	8	5.27
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	8	5.27
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	6	5.27
(1,2317)	1:141:H:GLY:N	1:141:H:GLY:CA	1:141:H:GLY:C	1:142:H:GLU:N	8	5.27
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	8	5.27
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	8	5.27
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	8	5.27
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	3	5.27
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	3	5.27
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	3	5.27
(1,2052)	1:127:C:GLU:C	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	4	5.27
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	10	5.27
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	10	5.27
(1,922)	1:69:F:GLY:C	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	2	5.27
(1,918)	1:69:H:GLY:C	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	2	5.27
(1,915)	1:69:A:GLY:C	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	2	5.27
(1,913)	1:69:K:GLY:C	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	2	5.27
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	1	5.27
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	4	5.26
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	8	5.26
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	6	5.26
(1,2326)	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	1:142:C:GLU:N	6	5.26
(1,2323)	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	1:142:E:GLU:N	6	5.26
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	8	5.26
(1,2319)	1:141:K:GLY:N	1:141:K:GLY:CA	1:141:K:GLY:C	1:142:K:GLU:N	6	5.26
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	8	5.26
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	3	5.26
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	10	5.26
(1,923)	1:69:C:GLY:C	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	2	5.26
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	3	5.25
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	3	5.25
(1,2328)	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	1:142:J:GLU:N	6	5.25
(1,2322)	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	1:142:G:GLU:N	6	5.25
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	8	5.25
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	3	5.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	3	5.25
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	3	5.25
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	3	5.25
(1,2044)	1:127:F:GLU:C	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	4	5.25
(1,2041)	1:127:H:GLU:C	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	4	5.25
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	10	5.25
(1,921)	1:69:I:GLY:C	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	2	5.25
(1,917)	1:69:J:GLY:C	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	2	5.25
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	2	5.25
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	3	5.25
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	4	5.24
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	3	5.24
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	3	5.24
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	3	5.24
(1,2320)	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	1:142:A:GLU:N	6	5.24
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	3	5.24
(1,924)	1:69:D:GLY:C	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	2	5.24
(1,919)	1:69:B:GLY:C	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	2	5.24
(1,916)	1:69:E:GLY:C	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	2	5.24
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	1	5.24
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	1	5.24
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	8	5.24
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	4	5.23
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	3	5.23
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	4	5.23
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	10	5.23
(1,2327)	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	1:142:F:GLU:N	8	5.23
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	6	5.23
(1,2325)	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	1:142:B:GLU:N	8	5.23
(1,2318)	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	1:142:I:GLU:N	6	5.23
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	8	5.23
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	8	5.23
(1,2050)	1:127:D:GLU:C	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	4	5.23
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	1	5.23
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	1	5.23
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	1	5.23
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	2	5.23
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	8	5.23
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	3	5.22
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	3	5.22
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	8	5.22
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	10	5.22
(1,1205)	1:83:E:TYR:C	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	9	5.22
(1,1093)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLU:N	3	5.22
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	2	5.22
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	4	5.21
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	3	5.21
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	10	5.21
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	7	5.21
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	1	5.21
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	2	5.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	8	5.21
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	3	5.2
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	10	5.2
(1,2321)	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	1:142:L:GLU:N	6	5.2
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	8	5.2
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	7	5.2
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	7	5.2
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	7	5.2
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	1	5.2
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	2	5.2
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	2	5.2
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	1	5.2
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	2	5.2
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	10	5.19
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	10	5.19
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	10	5.19
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	7	5.19
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	8	5.19
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	6	5.19
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	7	5.19
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	7	5.19
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	1	5.19
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	8	5.19
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	8	5.19
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	7	5.18
(1,1210)	1:83:I:TYR:C	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	9	5.18
(1,1207)	1:83:A:TYR:C	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	9	5.18
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	1	5.18
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	1	5.18
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	8	5.18
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	8	5.18
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	8	5.18
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	10	5.17
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	7	5.17
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	7	5.17
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	7	5.17
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	7	5.17
(1,1212)	1:83:C:TYR:C	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	9	5.17
(1,1108)	1:79:F:ILE:C	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	4	5.17
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	2	5.17
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	2	5.17
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	8	5.17
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	10	5.16
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	7	5.16
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	7	5.16
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	7	5.16
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	8	5.16
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	8	5.16
(1,1932)	1:118:J:TYR:C	1:119:J:SER:N	1:119:J:SER:CA	1:119:J:SER:C	9	5.16
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	7	5.16
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	7	5.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	7	5.16
(1,1204)	1:83:J:TYR:C	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	9	5.16
(1,1202)	1:83:L:TYR:C	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	9	5.16
(1,1099)	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1:80:G:GLU:N	3	5.16
(1,1096)	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1:80:K:GLU:N	3	5.16
(1,1095)	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1:80:C:GLU:N	3	5.16
(1,1001)	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	1:76:K:GLN:N	6	5.16
(1,998)	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	1:76:A:GLN:N	6	5.16
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	2	5.16
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	2	5.16
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	2	5.16
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	8	5.16
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	2	5.16
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	10	5.15
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	6	5.15
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	6	5.15
(1,1929)	1:118:B:TYR:C	1:119:B:SER:N	1:119:B:SER:CA	1:119:B:SER:C	9	5.15
(1,1925)	1:118:E:TYR:C	1:119:E:SER:N	1:119:E:SER:CA	1:119:E:SER:C	9	5.15
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	7	5.15
(1,1112)	1:79:K:ILE:C	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	4	5.15
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	8	5.15
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	10	5.14
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	10	5.14
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	7	5.14
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	6	5.14
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	7	5.14
(1,1211)	1:83:H:TYR:C	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	9	5.14
(1,1206)	1:83:F:TYR:C	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	9	5.14
(1,1201)	1:83:K:TYR:C	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	9	5.14
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	1	5.14
(1,1103)	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1:80:I:GLU:N	3	5.14
(1,1005)	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	1:76:B:GLN:N	6	5.14
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	2	5.14
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	10	5.13
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	7	5.13
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	6	5.13
(1,1749)	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	1:112:G:TYR:N	8	5.13
(1,1116)	1:79:D:ILE:C	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	4	5.13
(1,1106)	1:79:C:ILE:C	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	4	5.13
(1,1102)	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1:80:E:GLU:N	3	5.13
(1,1100)	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1:80:J:GLU:N	3	5.13
(1,1097)	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1:80:L:GLU:N	3	5.13
(1,1007)	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	1:76:F:GLN:N	6	5.13
(1,999)	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	1:76:D:GLN:N	6	5.13
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	1	5.13
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	8	5.13
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	2	5.13
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	2	5.13
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	7	5.12
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	7	5.12
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	6	5.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	6	5.12
(1,1926)	1:118:D:TYR:C	1:119:D:SER:N	1:119:D:SER:CA	1:119:D:SER:C	9	5.12
(1,1923)	1:118:A:TYR:C	1:119:A:SER:N	1:119:A:SER:CA	1:119:A:SER:C	9	5.12
(1,1208)	1:83:B:TYR:C	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	9	5.12
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	1	5.12
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	1	5.12
(1,1107)	1:79:G:ILE:C	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	4	5.12
(1,1105)	1:79:B:ILE:C	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	4	5.12
(1,1002)	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	1:76:C:GLN:N	6	5.12
(1,997)	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	1:76:G:GLN:N	6	5.12
(1,1209)	1:83:G:TYR:C	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	9	5.11
(1,1203)	1:83:D:TYR:C	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	9	5.11
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	1	5.11
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	2	5.11
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	6	5.1
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	6	5.1
(1,1750)	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	1:112:I:TYR:N	8	5.1
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	1	5.1
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	1	5.1
(1,1114)	1:79:L:ILE:C	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	4	5.1
(1,1111)	1:79:H:ILE:C	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	4	5.1
(1,1104)	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1:80:F:GLU:N	3	5.1
(1,1098)	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1:80:D:GLU:N	3	5.1
(1,188)	1:14:G:LEU:N	1:14:G:LEU:CA	1:14:G:LEU:C	1:15:G:PHE:N	8	5.1
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	2	5.09
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	6	5.09
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	6	5.09
(1,1924)	1:118:L:TYR:C	1:119:L:SER:N	1:119:L:SER:CA	1:119:L:SER:C	9	5.09
(1,1922)	1:118:K:TYR:C	1:119:K:SER:N	1:119:K:SER:CA	1:119:K:SER:C	9	5.09
(1,1748)	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	1:112:B:TYR:N	8	5.09
(1,1115)	1:79:E:ILE:C	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	4	5.09
(1,1101)	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1:80:B:GLU:N	3	5.09
(1,1003)	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	1:76:L:GLN:N	6	5.09
(1,1000)	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	1:76:J:GLN:N	6	5.09
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	2	5.09
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	2	5.08
(1,1931)	1:118:F:TYR:C	1:119:F:SER:N	1:119:F:SER:CA	1:119:F:SER:C	9	5.08
(1,1927)	1:118:I:TYR:C	1:119:I:SER:N	1:119:I:SER:CA	1:119:I:SER:C	9	5.08
(1,1744)	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	1:112:J:TYR:N	8	5.08
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	1	5.08
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	1	5.08
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	1	5.08
(1,1113)	1:79:A:ILE:C	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	4	5.08
(1,1109)	1:79:I:ILE:C	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	4	5.08
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	1	5.08
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	2	5.07
(1,2382)	1:143:H:ILE:C	1:144:H:ASP:N	1:144:H:ASP:CA	1:144:H:ASP:C	8	5.07
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	6	5.07
(1,1930)	1:118:C:TYR:C	1:119:C:SER:N	1:119:C:SER:CA	1:119:C:SER:C	9	5.07
(1,1746)	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	1:112:F:TYR:N	8	5.07
(1,1743)	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	1:112:D:TYR:N	8	5.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	1	5.07
(1,1110)	1:79:J:ILE:C	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	4	5.07
(1,1094)	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1:80:H:GLU:N	3	5.07
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	1	5.07
(1,191)	1:14:J:LEU:N	1:14:J:LEU:CA	1:14:J:LEU:C	1:15:J:PHE:N	8	5.07
(1,184)	1:14:K:LEU:N	1:14:K:LEU:CA	1:14:K:LEU:C	1:15:K:PHE:N	8	5.07
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	2	5.07
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	2	5.07
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	2	5.06
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	2	5.06
(1,2380)	1:143:E:ILE:C	1:144:E:ASP:N	1:144:E:ASP:CA	1:144:E:ASP:C	8	5.06
(1,2379)	1:143:A:ILE:C	1:144:A:ASP:N	1:144:A:ASP:CA	1:144:A:ASP:C	8	5.06
(1,1921)	1:118:H:TYR:C	1:119:H:SER:N	1:119:H:SER:CA	1:119:H:SER:C	9	5.06
(1,1741)	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	1:112:K:TYR:N	8	5.06
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	5	5.06
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	1	5.06
(1,1004)	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	1:76:H:GLN:N	6	5.06
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	1	5.06
(1,187)	1:14:C:LEU:N	1:14:C:LEU:CA	1:14:C:LEU:C	1:15:C:PHE:N	8	5.06
(1,182)	1:14:E:LEU:N	1:14:E:LEU:CA	1:14:E:LEU:C	1:15:E:PHE:N	8	5.06
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	2	5.06
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	2	5.05
(1,1751)	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	1:112:H:TYR:N	8	5.05
(1,1745)	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	1:112:E:TYR:N	8	5.05
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	1	5.05
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	1	5.05
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	2	5.05
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	2	5.04
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	2	5.04
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	2	5.04
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	2	5.04
(1,1928)	1:118:G:TYR:C	1:119:G:SER:N	1:119:G:SER:CA	1:119:G:SER:C	9	5.04
(1,1752)	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	1:112:C:TYR:N	8	5.04
(1,1747)	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	1:112:A:TYR:N	8	5.04
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	1	5.04
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	1	5.04
(1,1008)	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	1:76:E:GLN:N	6	5.04
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	1	5.04
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	1	5.04
(1,186)	1:14:D:LEU:N	1:14:D:LEU:CA	1:14:D:LEU:C	1:15:D:PHE:N	8	5.04
(1,183)	1:14:I:LEU:N	1:14:I:LEU:CA	1:14:I:LEU:C	1:15:I:PHE:N	8	5.04
(1,181)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:PHE:N	8	5.04
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	2	5.04
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	2	5.03
(1,2387)	1:143:C:ILE:C	1:144:C:ASP:N	1:144:C:ASP:CA	1:144:C:ASP:C	8	5.03
(1,192)	1:14:H:LEU:N	1:14:H:LEU:CA	1:14:H:LEU:C	1:15:H:PHE:N	8	5.03
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	2	5.02
(1,2381)	1:143:J:ILE:C	1:144:J:ASP:N	1:144:J:ASP:CA	1:144:J:ASP:C	8	5.02
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	5	5.02
(1,1184)	1:82:I:ALA:C	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	6	5.02
(1,1179)	1:82:C:ALA:C	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	6	5.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	1	5.02
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	2	5.02
(1,2384)	1:143:G:ILE:C	1:144:G:ASP:N	1:144:G:ASP:CA	1:144:G:ASP:C	8	5.01
(1,2383)	1:143:B:ILE:C	1:144:B:ASP:N	1:144:B:ASP:CA	1:144:B:ASP:C	8	5.01
(1,1742)	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	1:112:L:TYR:N	8	5.01
(1,1177)	1:82:A:ALA:C	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	6	5.01
(1,1006)	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	1:76:I:GLN:N	6	5.01
(1,185)	1:14:L:LEU:N	1:14:L:LEU:CA	1:14:L:LEU:C	1:15:L:PHE:N	8	5.01
(1,2385)	1:143:I:ILE:C	1:144:I:ASP:N	1:144:I:ASP:CA	1:144:I:ASP:C	8	5.0
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	5	5.0
(1,1180)	1:82:K:ALA:C	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	6	5.0
(1,190)	1:14:B:LEU:N	1:14:B:LEU:CA	1:14:B:LEU:C	1:15:B:PHE:N	8	5.0
(1,189)	1:14:F:LEU:N	1:14:F:LEU:CA	1:14:F:LEU:C	1:15:F:PHE:N	8	5.0
(1,2388)	1:143:D:ILE:C	1:144:D:ASP:N	1:144:D:ASP:CA	1:144:D:ASP:C	8	4.99
(1,2386)	1:143:F:ILE:C	1:144:F:ASP:N	1:144:F:ASP:CA	1:144:F:ASP:C	8	4.99
(1,2378)	1:143:L:ILE:C	1:144:L:ASP:N	1:144:L:ASP:CA	1:144:L:ASP:C	8	4.99
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	5	4.99
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	5	4.99
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	5	4.99
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	5	4.99
(1,1178)	1:82:H:ALA:C	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	6	4.99
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	1	4.99
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	1	4.98
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	5	4.97
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	5	4.97
(1,1187)	1:82:E:ALA:C	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	6	4.97
(1,1182)	1:82:D:ALA:C	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	6	4.97
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	3	4.97
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	3	4.97
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	5	4.97
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	5	4.97
(1,1183)	1:82:G:ALA:C	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	6	4.96
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	3	4.96
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	3	4.96
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	3	4.96
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	5	4.96
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	5	4.96
(1,2377)	1:143:K:ILE:C	1:144:K:ASP:N	1:144:K:ASP:CA	1:144:K:ASP:C	8	4.95
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	5	4.95
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	10	4.95
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	5	4.95
(1,1186)	1:82:B:ALA:C	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	6	4.95
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	6	4.95
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	6	4.95
(1,417)	1:27:E:LEU:C	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	7	4.95
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	10	4.94
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	5	4.94
(1,1181)	1:82:L:ALA:C	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	6	4.94
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	3	4.94
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	3	4.94
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	3	4.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	6	4.94
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	10	4.93
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	10	4.93
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	5	4.93
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	10	4.93
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	10	4.93
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	5	4.93
(1,1185)	1:82:J:ALA:C	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	6	4.93
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	6	4.93
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	6	4.93
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	5	4.93
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	10	4.92
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	10	4.92
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	5	4.92
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	10	4.92
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	10	4.92
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	10	4.92
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	3	4.92
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	5	4.92
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	5	4.92
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	10	4.91
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	10	4.91
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	10	4.91
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	9	4.91
(1,1188)	1:82:F:ALA:C	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	6	4.91
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	3	4.91
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	3	4.91
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	6	4.91
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	6	4.91
(1,409)	1:27:H:LEU:C	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	7	4.91
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	5	4.91
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	10	4.9
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	10	4.9
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	10	4.9
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	5	4.9
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	5	4.9
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	5	4.9
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	10	4.89
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	5	4.89
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	5	4.89
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	10	4.89
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	9	4.89
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	9	4.89
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	3	4.89
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	6	4.89
(1,412)	1:27:I:LEU:C	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	7	4.89
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	5	4.89
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	5	4.89
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	10	4.88
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	5	4.88
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	5	4.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	9	4.88
(1,420)	1:27:B:LEU:C	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	7	4.88
(1,414)	1:27:L:LEU:C	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	7	4.88
(1,413)	1:27:K:LEU:C	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	7	4.88
(1,410)	1:27:G:LEU:C	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	7	4.88
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	10	4.87
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	5	4.87
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	5	4.87
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	10	4.87
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	9	4.87
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	6	4.87
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	6	4.87
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	3	4.86
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	3	4.86
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	10	4.86
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	9	4.86
(1,411)	1:27:C:LEU:C	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	7	4.86
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	5	4.85
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	10	4.85
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	9	4.85
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	9	4.85
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	9	4.85
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	9	4.85
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	9	4.85
(1,418)	1:27:F:LEU:C	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	7	4.85
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	3	4.84
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	3	4.84
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	5	4.84
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	9	4.84
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	9	4.84
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	9	4.84
(1,419)	1:27:A:LEU:C	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	7	4.84
(1,415)	1:27:D:LEU:C	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	7	4.84
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	3	4.83
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	9	4.83
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	6	4.83
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	6	4.83
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	3	4.83
(1,416)	1:27:J:LEU:C	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	7	4.83
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	9	4.82
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	3	4.82
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	3	4.81
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	3	4.81
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	9	4.81
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	9	4.81
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	9	4.81
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	5	4.81
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	3	4.81
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	3	4.81
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	9	4.8
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	9	4.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	9	4.8
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	5	4.8
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	3	4.8
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	3	4.8
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	3	4.79
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	3	4.79
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	9	4.79
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	9	4.79
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	5	4.79
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	3	4.79
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	3	4.79
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	3	4.79
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	3	4.78
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	5	4.78
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	5	4.78
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	3	4.78
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	3	4.77
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	5	4.77
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	3	4.77
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	3	4.76
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	1	4.76
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	5	4.75
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	5	4.75
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	8	4.74
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	1	4.74
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	5	4.74
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	5	4.74
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	5	4.74
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	5	4.74
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	10	4.74
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	1	4.73
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	5	4.73
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	5	4.73
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	5	4.73
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	5	4.73
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	10	4.73
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	1	4.72
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	1	4.72
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	1	4.72
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	1	4.72
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	10	4.72
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	10	4.72
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	5	4.72
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	5	4.71
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	3	4.71
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	5	4.71
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	5	4.71
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	10	4.71
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	10	4.71
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	8	4.7
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	10	4.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	5	4.7
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	8	4.69
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	1	4.69
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	5	4.69
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	5	4.69
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	10	4.69
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	10	4.69
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	10	4.69
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	5	4.69
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	8	4.68
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	1	4.68
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	1	4.68
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	5	4.68
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	5	4.68
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	5	4.68
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	5	4.68
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	5	4.68
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	8	4.67
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	8	4.67
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	8	4.67
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	1	4.67
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	1	4.67
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	5	4.67
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	5	4.67
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	10	4.67
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	8	4.66
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	5	4.66
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	5	4.66
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	5	4.66
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	5	4.66
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	5	4.66
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	5	4.66
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	8	4.65
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	8	4.65
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	5	4.65
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	5	4.65
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	5	4.65
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	5	4.65
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	5	4.64
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	5	4.64
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	5	4.64
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	5	4.64
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	5	4.64
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	10	4.64
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	8	4.63
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	8	4.63
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	2	4.63
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	5	4.63
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	3	4.62
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	7	4.61
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	7	4.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	3	4.6
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	2	4.59
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	7	4.59
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	2	4.59
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	3	4.59
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	5	4.59
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	7	4.58
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	2	4.58
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	2	4.58
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	3	4.58
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	3	4.58
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	3	4.58
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	7	4.57
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	7	4.57
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	7	4.57
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	8	4.57
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	8	4.57
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	2	4.57
(1,1110)	1:79:J:ILE:C	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	7	4.57
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	3	4.57
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	3	4.57
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	2	4.56
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	7	4.56
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	8	4.56
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	8	4.56
(1,1114)	1:79:L:ILE:C	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	7	4.56
(1,1112)	1:79:K:ILE:C	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	7	4.56
(1,1105)	1:79:B:ILE:C	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	7	4.56
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	3	4.56
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	7	4.55
(1,1113)	1:79:A:ILE:C	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	7	4.55
(1,1109)	1:79:I:ILE:C	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	7	4.55
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	3	4.55
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	2	4.55
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	2	4.54
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	7	4.54
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	8	4.54
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	2	4.54
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	2	4.54
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	2	4.54
(1,1107)	1:79:G:ILE:C	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	7	4.54
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	2	4.53
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	7	4.53
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	8	4.53
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	8	4.53
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	2	4.53
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	3	4.53
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	2	4.53
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	8	4.52
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	2	4.52
(1,1116)	1:79:D:ILE:C	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	7	4.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1111)	1:79:H:ILE:C	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	7	4.52
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	3	4.52
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	2	4.52
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	2	4.51
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	2	4.51
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	8	4.51
(1,1115)	1:79:E:ILE:C	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	7	4.51
(1,1006)	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	1:76:I:GLN:N	8	4.51
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	2	4.51
(1,245)	1:16:C:GLN:C	1:17:C:SER:N	1:17:C:SER:CA	1:17:C:SER:C	10	4.51
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	2	4.5
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	2	4.5
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	2	4.5
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	2	4.5
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	2	4.5
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	2	4.5
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	2	4.49
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	7	4.49
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	8	4.49
(1,1108)	1:79:F:ILE:C	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	7	4.49
(1,1106)	1:79:C:ILE:C	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	7	4.49
(1,999)	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	1:76:D:GLN:N	8	4.49
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	2	4.49
(1,2494)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:ILE:N	4	4.48
(1,1907)	1:117:E:GLU:C	1:118:E:TYR:N	1:118:E:TYR:CA	1:118:E:TYR:C	1	4.48
(1,1904)	1:117:J:GLU:C	1:118:J:TYR:N	1:118:J:TYR:CA	1:118:J:TYR:C	1	4.48
(1,1901)	1:117:C:GLU:C	1:118:C:TYR:N	1:118:C:TYR:CA	1:118:C:TYR:C	1	4.48
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	2	4.48
(1,997)	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	1:76:G:GLN:N	8	4.48
(1,248)	1:16:H:GLN:C	1:17:H:SER:N	1:17:H:SER:CA	1:17:H:SER:C	10	4.48
(1,1005)	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	1:76:B:GLN:N	8	4.47
(1,998)	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	1:76:A:GLN:N	8	4.47
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	1	4.47
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	2	4.47
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	2	4.47
(1,244)	1:16:K:GLN:C	1:17:K:SER:N	1:17:K:SER:CA	1:17:K:SER:C	10	4.47
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	2	4.46
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	8	4.46
(1,1900)	1:117:H:GLU:C	1:118:H:TYR:N	1:118:H:TYR:CA	1:118:H:TYR:C	1	4.46
(1,1897)	1:117:B:GLU:C	1:118:B:TYR:N	1:118:B:TYR:CA	1:118:B:TYR:C	1	4.46
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	2	4.46
(1,1008)	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	1:76:E:GLN:N	8	4.46
(1,1001)	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	1:76:K:GLN:N	8	4.46
(1,1000)	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	1:76:J:GLN:N	8	4.46
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	2	4.46
(1,246)	1:16:L:GLN:C	1:17:L:SER:N	1:17:L:SER:CA	1:17:L:SER:C	10	4.46
(1,242)	1:16:D:GLN:C	1:17:D:SER:N	1:17:D:SER:CA	1:17:D:SER:C	10	4.46
(1,2493)	1:149:E:GLU:N	1:149:E:GLU:CA	1:149:E:GLU:C	1:150:E:ILE:N	4	4.45
(1,2492)	1:149:J:GLU:N	1:149:J:GLU:CA	1:149:J:GLU:C	1:150:J:ILE:N	4	4.45
(1,2489)	1:149:G:GLU:N	1:149:G:GLU:CA	1:149:G:GLU:C	1:150:G:ILE:N	4	4.45
(1,2488)	1:149:B:GLU:N	1:149:B:GLU:CA	1:149:B:GLU:C	1:150:B:ILE:N	4	4.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2485)	1:149:C:GLU:N	1:149:C:GLU:CA	1:149:C:GLU:C	1:150:C:ILE:N	4	4.45
(1,2144)	1:131:G:SER:C	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	4	4.45
(1,2142)	1:131:E:SER:C	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	4	4.45
(1,2138)	1:131:A:SER:C	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	4	4.45
(1,1902)	1:117:K:GLU:C	1:118:K:TYR:N	1:118:K:TYR:CA	1:118:K:TYR:C	1	4.45
(1,1898)	1:117:G:GLU:C	1:118:G:TYR:N	1:118:G:TYR:CA	1:118:G:TYR:C	1	4.45
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	5	4.45
(1,1004)	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	1:76:H:GLN:N	8	4.45
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	2	4.45
(1,252)	1:16:E:GLN:C	1:17:E:SER:N	1:17:E:SER:CA	1:17:E:SER:C	10	4.45
(1,250)	1:16:B:GLN:C	1:17:B:SER:N	1:17:B:SER:CA	1:17:B:SER:C	10	4.45
(1,2147)	1:131:C:SER:C	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	4	4.44
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	8	4.44
(1,1905)	1:117:D:GLU:C	1:118:D:TYR:N	1:118:D:TYR:CA	1:118:D:TYR:C	1	4.44
(1,1903)	1:117:L:GLU:C	1:118:L:TYR:N	1:118:L:TYR:CA	1:118:L:TYR:C	1	4.44
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	5	4.44
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	5	4.44
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	5	4.44
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	5	4.44
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	5	4.44
(1,1003)	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	1:76:L:GLN:N	8	4.44
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	2	4.44
(1,247)	1:16:G:GLN:C	1:17:G:SER:N	1:17:G:SER:CA	1:17:G:SER:C	10	4.44
(1,2496)	1:149:D:GLU:N	1:149:D:GLU:CA	1:149:D:GLU:C	1:150:D:ILE:N	4	4.43
(1,2486)	1:149:F:GLU:N	1:149:F:GLU:CA	1:149:F:GLU:C	1:150:F:ILE:N	4	4.43
(1,2145)	1:131:H:SER:C	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	4	4.43
(1,2141)	1:131:I:SER:C	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	4	4.43
(1,2139)	1:131:K:SER:C	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	4	4.43
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	5	4.43
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	5	4.43
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	1	4.43
(1,249)	1:16:I:GLN:C	1:17:I:SER:N	1:17:I:SER:CA	1:17:I:SER:C	10	4.43
(1,2487)	1:149:L:GLU:N	1:149:L:GLU:CA	1:149:L:GLU:C	1:150:L:ILE:N	4	4.42
(1,2148)	1:131:B:SER:C	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	4	4.42
(1,2143)	1:131:J:SER:C	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	4	4.42
(1,2140)	1:131:L:SER:C	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	4	4.42
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	5	4.42
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	5	4.42
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	8	4.42
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	7	4.42
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	7	4.42
(1,1007)	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	1:76:F:GLN:N	8	4.42
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1	4.42
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1	4.42
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	1	4.42
(1,243)	1:16:J:GLN:C	1:17:J:SER:N	1:17:J:SER:CA	1:17:J:SER:C	10	4.42
(1,2491)	1:149:H:GLU:N	1:149:H:GLU:CA	1:149:H:GLU:C	1:150:H:ILE:N	4	4.41
(1,2490)	1:149:I:GLU:N	1:149:I:GLU:CA	1:149:I:GLU:C	1:150:I:ILE:N	4	4.41
(1,2146)	1:131:F:SER:C	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	4	4.41
(1,1908)	1:117:F:GLU:C	1:118:F:TYR:N	1:118:F:TYR:CA	1:118:F:TYR:C	1	4.41
(1,1002)	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	1:76:C:GLN:N	8	4.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	1	4.41
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	1	4.41
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	1	4.41
(1,1906)	1:117:A:GLU:C	1:118:A:TYR:N	1:118:A:TYR:CA	1:118:A:TYR:C	1	4.4
(1,1899)	1:117:I:GLU:C	1:118:I:TYR:N	1:118:I:TYR:CA	1:118:I:TYR:C	1	4.4
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	5	4.4
(1,1611)	1:105:J:ASP:C	1:106:J:ALA:N	1:106:J:ALA:CA	1:106:J:ALA:C	3	4.4
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	8	4.4
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	8	4.4
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	7	4.4
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	10	4.4
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	10	4.4
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	1	4.4
(1,251)	1:16:F:GLN:C	1:17:F:SER:N	1:17:F:SER:CA	1:17:F:SER:C	10	4.4
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	5	4.39
(1,1617)	1:105:I:ASP:C	1:106:I:ALA:N	1:106:I:ALA:CA	1:106:I:ALA:C	3	4.39
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	7	4.39
(1,241)	1:16:A:GLN:C	1:17:A:SER:N	1:17:A:SER:CA	1:17:A:SER:C	10	4.39
(1,2495)	1:149:K:GLU:N	1:149:K:GLU:CA	1:149:K:GLU:C	1:150:K:ILE:N	4	4.38
(1,1787)	1:112:D:TYR:C	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	4	4.38
(1,1618)	1:105:L:ASP:C	1:106:L:ALA:N	1:106:L:ALA:CA	1:106:L:ALA:C	3	4.38
(1,1614)	1:105:E:ASP:C	1:106:E:ALA:N	1:106:E:ALA:CA	1:106:E:ALA:C	3	4.38
(1,1612)	1:105:A:ASP:C	1:106:A:ALA:N	1:106:A:ALA:CA	1:106:A:ALA:C	3	4.38
(1,1609)	1:105:C:ASP:C	1:106:C:ALA:N	1:106:C:ALA:CA	1:106:C:ALA:C	3	4.38
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	8	4.38
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	8	4.38
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	10	4.38
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	10	4.38
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	10	4.38
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	10	4.38
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	1	4.38
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	1	4.38
(1,2137)	1:131:D:SER:C	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	4	4.37
(1,1790)	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	1:114:L:GLU:N	7	4.37
(1,1620)	1:105:K:ASP:C	1:106:K:ALA:N	1:106:K:ALA:CA	1:106:K:ALA:C	3	4.37
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	8	4.37
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	8	4.37
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	10	4.37
(1,1610)	1:105:D:ASP:C	1:106:D:ALA:N	1:106:D:ALA:CA	1:106:D:ALA:C	3	4.36
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	8	4.36
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	8	4.36
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	7	4.36
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	10	4.36
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	10	4.36
(1,1786)	1:112:J:TYR:C	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	4	4.35
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	7	4.35
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	7	4.35
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	10	4.35
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	10	4.35
(1,1619)	1:105:H:ASP:C	1:106:H:ALA:N	1:106:H:ALA:CA	1:106:H:ALA:C	3	4.34
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	8	4.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	8	4.34
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	7	4.34
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	7	4.34
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	10	4.34
(1,1616)	1:105:F:ASP:C	1:106:F:ALA:N	1:106:F:ALA:CA	1:106:F:ALA:C	3	4.33
(1,1615)	1:105:G:ASP:C	1:106:G:ALA:N	1:106:G:ALA:CA	1:106:G:ALA:C	3	4.33
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	8	4.33
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	7	4.33
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	7	4.33
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	10	4.33
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	10	4.33
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	1	4.33
(1,1796)	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	1:114:I:GLU:N	7	4.32
(1,1789)	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	1:114:C:GLU:N	7	4.32
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	7	4.32
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	10	4.32
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	10	4.32
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	10	4.32
(1,1793)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:GLU:N	7	4.31
(1,1791)	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	1:114:H:GLU:N	7	4.31
(1,1782)	1:112:G:TYR:C	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	4	4.31
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	10	4.31
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	10	4.31
(1,1800)	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	1:114:K:GLU:N	7	4.3
(1,1799)	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	1:114:D:GLU:N	7	4.3
(1,1795)	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	1:114:F:GLU:N	7	4.3
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	10	4.3
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	10	4.3
(1,1798)	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	1:114:J:GLU:N	7	4.29
(1,1797)	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	1:114:E:GLU:N	7	4.29
(1,1794)	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	1:114:G:GLU:N	7	4.29
(1,1792)	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	1:114:B:GLU:N	7	4.29
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	10	4.29
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	10	4.29
(1,1779)	1:112:H:TYR:C	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	4	4.28
(1,1778)	1:112:L:TYR:C	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	4	4.28
(1,1613)	1:105:B:ASP:C	1:106:B:ALA:N	1:106:B:ALA:CA	1:106:B:ALA:C	3	4.28
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	10	4.27
(1,1783)	1:112:F:TYR:C	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	4	4.26
(1,1777)	1:112:C:TYR:C	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	4	4.26
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	9	4.26
(1,1788)	1:112:K:TYR:C	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	4	4.25
(1,1780)	1:112:B:TYR:C	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	4	4.25
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	9	4.25
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	9	4.25
(1,1784)	1:112:I:TYR:C	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	4	4.24
(1,1781)	1:112:A:TYR:C	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	4	4.24
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	9	4.24
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	9	4.23
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	9	4.22
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	9	4.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	9	4.22
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	9	4.21
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	9	4.21
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	9	4.2
(1,1785)	1:112:E:TYR:C	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	4	4.19
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	9	4.17
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	2	4.17
(1,1746)	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	1:112:F:TYR:N	6	4.15
(1,1743)	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	1:112:D:TYR:N	6	4.15
(1,1503)	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1:101:G:ASN:N	8	4.15
(1,1751)	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	1:112:H:TYR:N	6	4.14
(1,1750)	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	1:112:I:TYR:N	6	4.14
(1,1749)	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	1:112:G:TYR:N	6	4.14
(1,404)	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	1:28:E:PHE:N	9	4.14
(1,1748)	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	1:112:B:TYR:N	6	4.13
(1,1367)	1:90:K:LYS:N	1:90:K:LYS:CA	1:90:K:LYS:C	1:91:K:PHE:N	3	4.12
(1,397)	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	1:28:B:PHE:N	9	4.12
(1,1742)	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	1:112:L:TYR:N	6	4.11
(1,1362)	1:90:E:LYS:N	1:90:E:LYS:CA	1:90:E:LYS:C	1:91:E:PHE:N	3	4.11
(1,398)	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	1:28:C:PHE:N	9	4.11
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	2	4.11
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	2	4.11
(1,1744)	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	1:112:J:TYR:N	6	4.1
(1,1507)	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1:101:H:ASN:N	8	4.1
(1,1365)	1:90:L:LYS:N	1:90:L:LYS:CA	1:90:L:LYS:C	1:91:L:PHE:N	3	4.1
(1,1363)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PHE:N	3	4.1
(1,1361)	1:90:F:LYS:N	1:90:F:LYS:CA	1:90:F:LYS:C	1:91:F:PHE:N	3	4.1
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	10	4.1
(1,1044)	1:76:L:GLN:C	1:77:L:LYS:N	1:77:L:LYS:CA	1:77:L:LYS:C	6	4.1
(1,408)	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	1:28:L:PHE:N	9	4.1
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	2	4.1
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	2	4.1
(1,2009)	1:125:H:ALA:N	1:125:H:ALA:CA	1:125:H:ALA:C	1:126:H:VAL:N	6	4.09
(1,1747)	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	1:112:A:TYR:N	6	4.09
(1,1745)	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	1:112:E:TYR:N	6	4.09
(1,1501)	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1:101:B:ASN:N	8	4.09
(1,1366)	1:90:J:LYS:N	1:90:J:LYS:CA	1:90:J:LYS:C	1:91:J:PHE:N	3	4.09
(1,1360)	1:90:I:LYS:N	1:90:I:LYS:CA	1:90:I:LYS:C	1:91:I:PHE:N	3	4.09
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	2	4.09
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	2	4.09
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	2	4.09
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	8	4.08
(1,2006)	1:125:A:ALA:N	1:125:A:ALA:CA	1:125:A:ALA:C	1:126:A:VAL:N	6	4.08
(1,1752)	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	1:112:C:TYR:N	6	4.08
(1,1358)	1:90:B:LYS:N	1:90:B:LYS:CA	1:90:B:LYS:C	1:91:B:PHE:N	3	4.08
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	10	4.08
(1,1038)	1:76:I:GLN:C	1:77:I:LYS:N	1:77:I:LYS:CA	1:77:I:LYS:C	6	4.08
(1,405)	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	1:28:K:PHE:N	9	4.08
(1,402)	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	1:28:H:PHE:N	9	4.08
(1,399)	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	1:28:G:PHE:N	9	4.08
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	2	4.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	2	4.08
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	2	4.08
(1,1741)	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	1:112:K:TYR:N	6	4.07
(1,1357)	1:90:H:LYS:N	1:90:H:LYS:CA	1:90:H:LYS:C	1:91:H:PHE:N	3	4.07
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	10	4.07
(1,1039)	1:76:H:GLN:C	1:77:H:LYS:N	1:77:H:LYS:CA	1:77:H:LYS:C	6	4.07
(1,406)	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	1:28:A:PHE:N	9	4.07
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	8	4.06
(1,1509)	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1:101:E:ASN:N	8	4.06
(1,1504)	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1:101:F:ASN:N	8	4.06
(1,1368)	1:90:C:LYS:N	1:90:C:LYS:CA	1:90:C:LYS:C	1:91:C:PHE:N	3	4.06
(1,1364)	1:90:D:LYS:N	1:90:D:LYS:CA	1:90:D:LYS:C	1:91:D:PHE:N	3	4.06
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	10	4.06
(1,1043)	1:76:K:GLN:C	1:77:K:LYS:N	1:77:K:LYS:CA	1:77:K:LYS:C	6	4.06
(1,1042)	1:76:E:GLN:C	1:77:E:LYS:N	1:77:E:LYS:CA	1:77:E:LYS:C	6	4.06
(1,1033)	1:76:D:GLN:C	1:77:D:LYS:N	1:77:D:LYS:CA	1:77:D:LYS:C	6	4.06
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	6	4.06
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	6	4.06
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	6	4.06
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	6	4.06
(1,400)	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	1:28:F:PHE:N	9	4.06
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	2	4.06
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	8	4.05
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	8	4.05
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	8	4.05
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	4	4.05
(1,1512)	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1:101:D:ASN:N	8	4.05
(1,1510)	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1:101:K:ASN:N	8	4.05
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	10	4.05
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	10	4.05
(1,1037)	1:76:G:GLN:C	1:77:G:LYS:N	1:77:G:LYS:CA	1:77:G:LYS:C	6	4.05
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	6	4.05
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	6	4.05
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	6	4.05
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	8	4.04
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	8	4.04
(1,2016)	1:125:D:ALA:N	1:125:D:ALA:CA	1:125:D:ALA:C	1:126:D:VAL:N	6	4.04
(1,2012)	1:125:C:ALA:N	1:125:C:ALA:CA	1:125:C:ALA:C	1:126:C:VAL:N	6	4.04
(1,2005)	1:125:E:ALA:N	1:125:E:ALA:CA	1:125:E:ALA:C	1:126:E:VAL:N	6	4.04
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	10	4.04
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	10	4.04
(1,1040)	1:76:J:GLN:C	1:77:J:LYS:N	1:77:J:LYS:CA	1:77:J:LYS:C	6	4.04
(1,1036)	1:76:B:GLN:C	1:77:B:LYS:N	1:77:B:LYS:CA	1:77:B:LYS:C	6	4.04
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	6	4.04
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	6	4.04
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	6	4.04
(1,403)	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	1:28:J:PHE:N	9	4.04
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	4	4.03
(1,2015)	1:125:I:ALA:N	1:125:I:ALA:CA	1:125:I:ALA:C	1:126:I:VAL:N	6	4.03
(1,2014)	1:125:G:ALA:N	1:125:G:ALA:CA	1:125:G:ALA:C	1:126:G:VAL:N	6	4.03
(1,2011)	1:125:F:ALA:N	1:125:F:ALA:CA	1:125:F:ALA:C	1:126:F:VAL:N	6	4.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1505)	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1:101:I:ASN:N	8	4.03
(1,1502)	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1:101:C:ASN:N	8	4.03
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	10	4.03
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	6	4.03
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	6	4.03
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	6	4.03
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	3	4.03
(1,407)	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	1:28:D:PHE:N	9	4.03
(1,401)	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	1:28:I:PHE:N	9	4.03
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	8	4.02
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	4	4.02
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	4	4.02
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	4	4.02
(1,2008)	1:125:L:ALA:N	1:125:L:ALA:CA	1:125:L:ALA:C	1:126:L:VAL:N	6	4.02
(1,1508)	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1:101:J:ASN:N	8	4.02
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	10	4.02
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	10	4.02
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	10	4.02
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	10	4.02
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	10	4.02
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	10	4.02
(1,1041)	1:76:A:GLN:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	6	4.02
(1,1034)	1:76:C:GLN:C	1:77:C:LYS:N	1:77:C:LYS:CA	1:77:C:LYS:C	6	4.02
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	6	4.02
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	6	4.02
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	6	4.02
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	8	4.01
(1,2010)	1:125:J:ALA:N	1:125:J:ALA:CA	1:125:J:ALA:C	1:126:J:VAL:N	6	4.01
(1,1511)	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1:101:A:ASN:N	8	4.01
(1,1359)	1:90:G:LYS:N	1:90:G:LYS:CA	1:90:G:LYS:C	1:91:G:PHE:N	3	4.01
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	10	4.01
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	10	4.01
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	10	4.01
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	10	4.01
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	6	4.01
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	6	4.01
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	6	4.01
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	6	4.01
(1,506)	1:36:G:SER:C	1:37:G:VAL:N	1:37:G:VAL:CA	1:37:G:VAL:C	10	4.01
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	3	4.01
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	3	4.01
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	8	4.0
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	4	4.0
(1,2013)	1:125:B:ALA:N	1:125:B:ALA:CA	1:125:B:ALA:C	1:126:B:VAL:N	6	4.0
(1,2007)	1:125:K:ALA:N	1:125:K:ALA:CA	1:125:K:ALA:C	1:126:K:VAL:N	6	4.0
(1,1506)	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1:101:L:ASN:N	8	4.0
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	10	4.0
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	10	4.0
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	10	4.0
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	6	4.0
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	6	4.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,513)	1:36:D:SER:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	10	4.0
(1,505)	1:36:B:SER:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	10	4.0
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	3	4.0
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	4	3.99
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	4	3.99
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	4	3.99
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	4	3.99
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	4	3.99
(1,1035)	1:76:F:GLN:C	1:77:F:LYS:N	1:77:F:LYS:CA	1:77:F:LYS:C	6	3.99
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	8	3.98
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	8	3.98
(1,2855)	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1:174:I:VAL:N	1	3.98
(1,2847)	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1:174:G:VAL:N	1	3.98
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	6	3.98
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	3	3.98
(1,2856)	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1:174:E:VAL:N	1	3.97
(1,2848)	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1:174:J:VAL:N	1	3.97
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	4	3.97
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	9	3.97
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	9	3.97
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	3	3.97
(1,2850)	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1:174:C:VAL:N	1	3.96
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	10	3.96
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	9	3.96
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	9	3.96
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	6	3.96
(1,516)	1:36:F:SER:C	1:37:F:VAL:N	1:37:F:VAL:CA	1:37:F:VAL:C	10	3.96
(1,512)	1:36:J:SER:C	1:37:J:VAL:N	1:37:J:VAL:CA	1:37:J:VAL:C	10	3.96
(1,509)	1:36:C:SER:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	10	3.96
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	3	3.96
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	3	3.96
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	3	3.96
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	3	3.96
(1,2853)	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1:174:B:VAL:N	1	3.95
(1,2849)	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1:174:K:VAL:N	1	3.95
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	9	3.95
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	9	3.95
(1,2846)	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1:174:D:VAL:N	1	3.94
(1,1093)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLU:N	4	3.94
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	9	3.94
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	9	3.94
(1,515)	1:36:E:SER:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	10	3.94
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	3	3.94
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	10	3.93
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	9	3.93
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	9	3.93
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	9	3.93
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	8	3.93
(1,514)	1:36:A:SER:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	10	3.93
(1,511)	1:36:L:SER:C	1:37:L:VAL:N	1:37:L:VAL:CA	1:37:L:VAL:C	10	3.93
(1,510)	1:36:K:SER:C	1:37:K:VAL:N	1:37:K:VAL:CA	1:37:K:VAL:C	10	3.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,507)	1:36:I:SER:C	1:37:I:VAL:N	1:37:I:VAL:CA	1:37:I:VAL:C	10	3.93
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	3	3.93
(1,2854)	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1:174:F:VAL:N	1	3.92
(1,775)	1:62:G:SER:C	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	8	3.92
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	5	3.92
(1,2852)	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1:174:H:VAL:N	1	3.91
(1,2851)	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1:174:L:VAL:N	1	3.91
(1,1324)	1:88:E:GLN:C	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1	3.91
(1,1101)	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1:80:B:GLU:N	4	3.91
(1,1100)	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1:80:J:GLU:N	4	3.91
(1,508)	1:36:H:SER:C	1:37:H:VAL:N	1:37:H:VAL:CA	1:37:H:VAL:C	10	3.91
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	4	3.9
(1,1321)	1:88:K:GLN:C	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1	3.9
(1,1097)	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1:80:L:GLU:N	4	3.9
(1,1094)	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1:80:H:GLU:N	4	3.9
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	9	3.9
(1,773)	1:62:K:SER:C	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	8	3.9
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	5	3.9
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	4	3.89
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	4	3.89
(1,1322)	1:88:L:GLN:C	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1	3.89
(1,1099)	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1:80:G:GLU:N	4	3.89
(1,1095)	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1:80:C:GLU:N	4	3.89
(1,774)	1:62:L:SER:C	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	8	3.89
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	8	3.89
(1,2845)	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1:174:A:VAL:N	1	3.88
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	4	3.88
(1,1330)	1:88:F:GLN:C	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1	3.88
(1,1326)	1:88:H:GLN:C	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1	3.88
(1,1098)	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1:80:D:GLU:N	4	3.88
(1,780)	1:62:A:SER:C	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	8	3.88
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	8	3.88
(1,771)	1:62:J:SER:C	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	8	3.88
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	8	3.88
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	5	3.88
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	5	3.88
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	4	3.87
(1,1332)	1:88:D:GLN:C	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1	3.87
(1,1325)	1:88:J:GLN:C	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1	3.87
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	1	3.87
(1,779)	1:62:B:SER:C	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	8	3.87
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	5	3.87
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	5	3.87
(1,419)	1:27:A:LEU:C	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	4	3.87
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	5	3.86
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	4	3.86
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	4	3.86
(1,1327)	1:88:B:GLN:C	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1	3.86
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	5	3.86
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	5	3.86
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	5	3.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	5	3.86
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	5	3.85
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	4	3.85
(1,1329)	1:88:I:GLN:C	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1	3.85
(1,1328)	1:88:G:GLN:C	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1	3.85
(1,1103)	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1:80:I:GLU:N	4	3.85
(1,777)	1:62:I:SER:C	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	8	3.85
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	5	3.85
(1,139)	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	1:13:D:TYR:N	4	3.85
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	5	3.84
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	4	3.84
(1,1102)	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1:80:E:GLU:N	4	3.84
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	1	3.84
(1,420)	1:27:B:LEU:C	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	4	3.84
(1,413)	1:27:K:LEU:C	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	4	3.84
(1,410)	1:27:G:LEU:C	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	4	3.84
(1,140)	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	1:13:G:TYR:N	4	3.84
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	4	3.83
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	10	3.83
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	1	3.83
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	1	3.83
(1,776)	1:62:C:SER:C	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	8	3.83
(1,137)	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	1:13:E:TYR:N	4	3.83
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	5	3.82
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	2	3.82
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	4	3.82
(1,1104)	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1:80:F:GLU:N	4	3.82
(1,1096)	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1:80:K:GLU:N	4	3.82
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	1	3.82
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	5	3.82
(1,414)	1:27:L:LEU:C	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	4	3.82
(1,409)	1:27:H:LEU:C	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	4	3.82
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	5	3.81
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	5	3.81
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	2	3.81
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	2	3.81
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	4	3.81
(1,1323)	1:88:A:GLN:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1	3.81
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	1	3.81
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	1	3.81
(1,416)	1:27:J:LEU:C	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	4	3.81
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	5	3.8
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	4	3.8
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	4	3.8
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	10	3.8
(1,1412)	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	1:93:C:ARG:N	9	3.8
(1,1331)	1:88:C:GLN:C	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1	3.8
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	1	3.8
(1,417)	1:27:E:LEU:C	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	4	3.8
(1,144)	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	1:13:J:TYR:N	4	3.8
(1,141)	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	1:13:B:TYR:N	4	3.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,134)	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	1:13:K:TYR:N	4	3.8
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	2	3.79
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	2	3.79
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	2	3.79
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	2	3.79
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	2	3.79
(1,2184)	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	1:134:K:VAL:N	6	3.79
(1,2182)	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	1:134:H:VAL:N	6	3.79
(1,2180)	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	1:134:I:VAL:N	6	3.79
(1,2177)	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	1:134:E:VAL:N	6	3.79
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	4	3.79
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	4	3.79
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	4	3.79
(1,1774)	1:112:K:TYR:N	1:112:K:TYR:CA	1:112:K:TYR:C	1:113:K:ILE:N	8	3.79
(1,1767)	1:112:B:TYR:N	1:112:B:TYR:CA	1:112:B:TYR:C	1:113:B:ILE:N	8	3.79
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	1	3.79
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	1	3.79
(1,418)	1:27:F:LEU:C	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	4	3.79
(1,412)	1:27:I:LEU:C	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	4	3.79
(1,143)	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	1:13:F:TYR:N	4	3.79
(1,135)	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	1:13:A:TYR:N	4	3.79
(1,69)	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	1:10:B:ASP:N	9	3.79
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	5	3.78
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	5	3.78
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	2	3.78
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	4	3.78
(1,2175)	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	1:134:J:VAL:N	6	3.78
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	4	3.78
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	10	3.78
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	10	3.78
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	10	3.78
(1,1771)	1:112:D:TYR:N	1:112:D:TYR:CA	1:112:D:TYR:C	1:113:D:ILE:N	8	3.78
(1,1413)	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	1:93:G:ARG:N	9	3.78
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	1	3.78
(1,415)	1:27:D:LEU:C	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	4	3.78
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	5	3.77
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	5	3.77
(1,2181)	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	1:134:A:VAL:N	6	3.77
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	4	3.77
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	10	3.77
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	10	3.77
(1,1766)	1:112:C:TYR:N	1:112:C:TYR:CA	1:112:C:TYR:C	1:113:C:ILE:N	8	3.77
(1,1415)	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	1:93:B:ARG:N	9	3.77
(1,136)	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	1:13:L:TYR:N	4	3.77
(1,133)	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	1:13:H:TYR:N	4	3.77
(1,70)	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	1:10:C:ASP:N	9	3.77
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	2	3.76
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	2	3.76
(1,2183)	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	1:134:C:VAL:N	6	3.76
(1,2178)	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	1:134:G:VAL:N	6	3.76
(1,2174)	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	1:134:L:VAL:N	6	3.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	4	3.76
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	4	3.76
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	10	3.76
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	10	3.76
(1,1776)	1:112:J:TYR:N	1:112:J:TYR:CA	1:112:J:TYR:C	1:113:J:ILE:N	8	3.76
(1,1770)	1:112:L:TYR:N	1:112:L:TYR:CA	1:112:L:TYR:C	1:113:L:ILE:N	8	3.76
(1,1416)	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	1:93:A:ARG:N	9	3.76
(1,1409)	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	1:93:D:ARG:N	9	3.76
(1,1406)	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	1:93:E:ARG:N	9	3.76
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	1	3.76
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	4	3.76
(1,411)	1:27:C:LEU:C	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	4	3.76
(1,63)	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	1:10:K:ASP:N	9	3.76
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	5	3.75
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	2	3.75
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	4	3.75
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	10	3.75
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	10	3.75
(1,1769)	1:112:I:TYR:N	1:112:I:TYR:CA	1:112:I:TYR:C	1:113:I:ILE:N	8	3.75
(1,1405)	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	1:93:F:ARG:N	9	3.75
(1,142)	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	1:13:C:TYR:N	4	3.75
(1,138)	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	1:13:I:TYR:N	4	3.75
(1,71)	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	1:10:F:ASP:N	9	3.75
(1,64)	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1:10:A:ASP:N	9	3.75
(1,62)	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	1:10:I:ASP:N	9	3.75
(1,2179)	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	1:134:F:VAL:N	6	3.74
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	4	3.74
(1,1414)	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	1:93:H:ARG:N	9	3.74
(1,1407)	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	1:93:I:ARG:N	9	3.74
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	4	3.74
(1,67)	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	1:10:E:ASP:N	9	3.74
(1,2173)	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	1:134:D:VAL:N	6	3.73
(1,1773)	1:112:A:TYR:N	1:112:A:TYR:CA	1:112:A:TYR:C	1:113:A:ILE:N	8	3.73
(1,1411)	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	1:93:L:ARG:N	9	3.73
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	4	3.73
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	4	3.73
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	4	3.73
(1,68)	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	1:10:D:ASP:N	9	3.73
(1,2176)	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	1:134:B:VAL:N	6	3.72
(1,1772)	1:112:E:TYR:N	1:112:E:TYR:CA	1:112:E:TYR:C	1:113:E:ILE:N	8	3.72
(1,1765)	1:112:F:TYR:N	1:112:F:TYR:CA	1:112:F:TYR:C	1:113:F:ILE:N	8	3.72
(1,1410)	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	1:93:K:ARG:N	9	3.72
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	4	3.72
(1,1768)	1:112:G:TYR:N	1:112:G:TYR:CA	1:112:G:TYR:C	1:113:G:ILE:N	8	3.71
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	4	3.71
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	4	3.71
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	4	3.71
(1,72)	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	1:10:J:ASP:N	9	3.71
(1,61)	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	1:10:H:ASP:N	9	3.71
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	10	3.7
(1,1775)	1:112:H:TYR:N	1:112:H:TYR:CA	1:112:H:TYR:C	1:113:H:ILE:N	8	3.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	4	3.7
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	4	3.7
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	4	3.7
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	4	3.7
(1,1408)	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	1:93:J:ARG:N	9	3.7
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	4	3.7
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	4	3.7
(1,65)	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	1:10:G:ASP:N	9	3.7
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	6	3.69
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	4	3.68
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	4	3.68
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	4	3.67
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	4	3.67
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	4	3.67
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	4	3.66
(1,745)	1:61:J:ASP:C	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	4	3.66
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	1	3.66
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	6	3.66
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	6	3.66
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	1	3.66
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	6	3.66
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	4	3.66
(1,66)	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	1:10:L:ASP:N	9	3.66
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	4	3.65
(1,756)	1:61:K:ASP:C	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	4	3.65
(1,754)	1:61:L:ASP:C	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	4	3.65
(1,752)	1:61:I:ASP:C	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	4	3.65
(1,750)	1:61:B:ASP:C	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	4	3.65
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	1	3.65
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	6	3.65
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	1	3.65
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	4	3.64
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	4	3.64
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	6	3.64
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	6	3.64
(1,755)	1:61:C:ASP:C	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	4	3.63
(1,753)	1:61:H:ASP:C	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	4	3.63
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	6	3.63
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	6	3.63
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	1	3.63
(1,2470)	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	1:149:F:GLU:N	3	3.62
(1,751)	1:61:G:ASP:C	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	4	3.62
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	1	3.62
(1,1782)	1:112:G:TYR:C	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	10	3.61
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	6	3.61
(1,1781)	1:112:A:TYR:C	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	10	3.6
(1,1778)	1:112:L:TYR:C	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	10	3.6
(1,749)	1:61:F:ASP:C	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	4	3.6
(1,748)	1:61:E:ASP:C	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	4	3.6
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	1	3.6
(1,1785)	1:112:E:TYR:C	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	10	3.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1783)	1:112:F:TYR:C	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	10	3.59
(1,746)	1:61:D:ASP:C	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	4	3.59
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	6	3.59
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	1	3.59
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	6	3.59
(1,1787)	1:112:D:TYR:C	1:113:D:ILE:N	1:113:D:ILE:CA	1:113:D:ILE:C	10	3.58
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	1	3.58
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	1	3.58
(1,1777)	1:112:C:TYR:C	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	10	3.57
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	1	3.57
(1,2463)	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	1:149:K:GLU:N	3	3.56
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	1	3.56
(1,2472)	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	1:149:H:GLU:N	3	3.55
(1,2471)	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	1:149:I:GLU:N	3	3.55
(1,2461)	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	1:149:J:GLU:N	3	3.55
(1,1779)	1:112:H:TYR:C	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	10	3.55
(1,2468)	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	1:149:C:GLU:N	3	3.54
(1,2466)	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	1:149:L:GLU:N	3	3.54
(1,2465)	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	1:149:D:GLU:N	3	3.54
(1,1786)	1:112:J:TYR:C	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	10	3.54
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	2	3.54
(1,1784)	1:112:I:TYR:C	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	10	3.53
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	2	3.53
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	7	3.53
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	3	3.52
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	7	3.52
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	7	3.52
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	2	3.51
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	3	3.51
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	7	3.51
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	10	3.5
(1,2464)	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	1:149:A:GLU:N	3	3.5
(1,2462)	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	1:149:E:GLU:N	3	3.5
(1,1788)	1:112:K:TYR:C	1:113:K:ILE:N	1:113:K:ILE:CA	1:113:K:ILE:C	10	3.5
(1,1780)	1:112:B:TYR:C	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	10	3.5
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	2	3.5
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	2	3.5
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	2	3.5
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	3	3.5
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	3	3.5
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	3	3.5
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	10	3.49
(1,2467)	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	1:149:B:GLU:N	3	3.49
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	3	3.49
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	7	3.49
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	7	3.49
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	7	3.49
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	10	3.48
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	10	3.48
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	2	3.48
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	2	3.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	3	3.48
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	3	3.48
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	3	3.48
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	7	3.48
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	7	3.48
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	7	3.48
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	2	3.47
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	2	3.47
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	2	3.47
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	10	3.46
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	10	3.46
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	3	3.46
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	4	3.46
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	7	3.46
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	10	3.45
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	4	3.45
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	7	3.45
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	10	3.44
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	10	3.44
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	10	3.44
(1,2469)	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	1:149:G:GLU:N	3	3.44
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	3	3.44
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	4	3.44
(1,764)	1:62:I:SER:N	1:62:I:SER:CA	1:62:I:SER:C	1:63:I:GLY:N	9	3.44
(1,760)	1:62:E:SER:N	1:62:E:SER:CA	1:62:E:SER:C	1:63:E:GLY:N	9	3.44
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	10	3.43
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	2	3.43
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	3	3.43
(1,768)	1:62:K:SER:N	1:62:K:SER:CA	1:62:K:SER:C	1:63:K:GLY:N	9	3.43
(1,763)	1:62:G:SER:N	1:62:G:SER:CA	1:62:G:SER:C	1:63:G:GLY:N	9	3.43
(1,762)	1:62:B:SER:N	1:62:B:SER:CA	1:62:B:SER:C	1:63:B:GLY:N	9	3.43
(1,761)	1:62:F:SER:N	1:62:F:SER:CA	1:62:F:SER:C	1:63:F:GLY:N	9	3.43
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	4	3.42
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	4	3.42
(1,759)	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	1:63:A:GLY:N	9	3.42
(1,758)	1:62:D:SER:N	1:62:D:SER:CA	1:62:D:SER:C	1:63:D:GLY:N	9	3.42
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	3	3.41
(1,1166)	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	1:83:I:TYR:N	9	3.41
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	4	3.41
(1,765)	1:62:H:SER:N	1:62:H:SER:CA	1:62:H:SER:C	1:63:H:GLY:N	9	3.41
(1,1165)	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	1:83:H:TYR:N	9	3.4
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	4	3.4
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	4	3.4
(1,757)	1:62:J:SER:N	1:62:J:SER:CA	1:62:J:SER:C	1:63:J:GLY:N	9	3.4
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	3	3.39
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	3	3.39
(1,1175)	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	1:83:F:TYR:N	9	3.39
(1,1168)	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	1:83:K:TYR:N	9	3.39
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	10	3.38
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	4	3.38
(1,767)	1:62:C:SER:N	1:62:C:SER:CA	1:62:C:SER:C	1:63:C:GLY:N	9	3.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,766)	1:62:L:SER:N	1:62:L:SER:CA	1:62:L:SER:C	1:63:L:GLY:N	9	3.38
(1,1174)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:TYR:N	9	3.37
(1,1173)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:TYR:N	9	3.37
(1,1170)	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	1:83:E:TYR:N	9	3.37
(1,1167)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:TYR:N	9	3.37
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	4	3.37
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	3	3.36
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	4	3.36
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	3	3.35
(1,1176)	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	1:83:J:TYR:N	9	3.35
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	4	3.35
(1,1169)	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	1:83:L:TYR:N	9	3.34
(1,1171)	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	1:83:D:TYR:N	9	3.33
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	3	3.32
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	3	3.32
(1,1172)	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	1:83:G:TYR:N	9	3.32
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	3	3.31
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	1	3.3
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	3	3.3
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	3	3.3
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	3	3.29
(1,1468)	1:98:L:LYS:C	1:99:L:ASN:N	1:99:L:ASN:CA	1:99:L:ASN:C	9	3.29
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	1	3.28
(1,1476)	1:98:J:LYS:C	1:99:J:ASN:N	1:99:J:ASN:CA	1:99:J:ASN:C	9	3.28
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	1	3.27
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	1	3.27
(1,1472)	1:98:G:LYS:C	1:99:G:ASN:N	1:99:G:ASN:CA	1:99:G:ASN:C	9	3.27
(1,1467)	1:98:A:LYS:C	1:99:A:ASN:N	1:99:A:ASN:CA	1:99:A:ASN:C	9	3.27
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	1	3.26
(1,1863)	1:116:K:ARG:N	1:116:K:ARG:CA	1:116:K:ARG:C	1:117:K:GLU:N	4	3.26
(1,1475)	1:98:F:LYS:C	1:99:F:ASN:N	1:99:F:ASN:CA	1:99:F:ASN:C	9	3.26
(1,1471)	1:98:D:LYS:C	1:99:D:ASN:N	1:99:D:ASN:CA	1:99:D:ASN:C	9	3.26
(1,1465)	1:98:H:LYS:C	1:99:H:ASN:N	1:99:H:ASN:CA	1:99:H:ASN:C	9	3.26
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	1	3.25
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	1	3.25
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	1	3.25
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	3	3.25
(1,1868)	1:116:C:ARG:N	1:116:C:ARG:CA	1:116:C:ARG:C	1:117:C:GLU:N	4	3.25
(1,1474)	1:98:C:LYS:C	1:99:C:ASN:N	1:99:C:ASN:CA	1:99:C:ASN:C	9	3.25
(1,1473)	1:98:B:LYS:C	1:99:B:ASN:N	1:99:B:ASN:CA	1:99:B:ASN:C	9	3.25
(1,1469)	1:98:E:LYS:C	1:99:E:ASN:N	1:99:E:ASN:CA	1:99:E:ASN:C	9	3.25
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	1	3.24
(1,1872)	1:116:H:ARG:N	1:116:H:ARG:CA	1:116:H:ARG:C	1:117:H:GLU:N	4	3.24
(1,1870)	1:116:F:ARG:N	1:116:F:ARG:CA	1:116:F:ARG:C	1:117:F:GLU:N	4	3.24
(1,1869)	1:116:G:ARG:N	1:116:G:ARG:CA	1:116:G:ARG:C	1:117:G:GLU:N	4	3.24
(1,1864)	1:116:A:ARG:N	1:116:A:ARG:CA	1:116:A:ARG:C	1:117:A:GLU:N	4	3.23
(1,1862)	1:116:E:ARG:N	1:116:E:ARG:CA	1:116:E:ARG:C	1:117:E:GLU:N	4	3.23
(1,1470)	1:98:I:LYS:C	1:99:I:ASN:N	1:99:I:ASN:CA	1:99:I:ASN:C	9	3.23
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	1	3.22
(1,1953)	1:121:I:GLY:C	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	3	3.22
(1,1466)	1:98:K:LYS:C	1:99:K:ASN:N	1:99:K:ASN:CA	1:99:K:ASN:C	9	3.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1131)	1:80:B:GLU:C	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	4	3.22
(1,2060)	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	1:129:I:SER:N	3	3.21
(1,1866)	1:116:L:ARG:N	1:116:L:ARG:CA	1:116:L:ARG:C	1:117:L:GLU:N	4	3.21
(1,1861)	1:116:J:ARG:N	1:116:J:ARG:CA	1:116:J:ARG:C	1:117:J:GLU:N	4	3.21
(1,1135)	1:80:A:GLU:C	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	4	3.21
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	1	3.2
(1,1956)	1:121:E:GLY:C	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	3	3.2
(1,1946)	1:121:D:GLY:C	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	3	3.2
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	1	3.19
(1,2061)	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	1:129:J:SER:N	3	3.19
(1,1955)	1:121:F:GLY:C	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	3	3.19
(1,1871)	1:116:I:ARG:N	1:116:I:ARG:CA	1:116:I:ARG:C	1:117:I:GLU:N	4	3.19
(1,1867)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:GLU:N	4	3.19
(1,1140)	1:80:H:GLU:C	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	4	3.19
(1,2063)	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	1:129:K:SER:N	3	3.18
(1,2062)	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	1:129:D:SER:N	3	3.18
(1,1954)	1:121:G:GLY:C	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	3	3.18
(1,1949)	1:121:C:GLY:C	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	3	3.18
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	6	3.18
(1,1133)	1:80:I:GLU:C	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	4	3.18
(1,2672)	1:161:K:GLN:C	1:162:K:GLN:N	1:162:K:GLN:CA	1:162:K:GLN:C	4	3.17
(1,2055)	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	1:129:L:SER:N	3	3.17
(1,1865)	1:116:D:ARG:N	1:116:D:ARG:CA	1:116:D:ARG:C	1:117:D:GLU:N	4	3.17
(1,1138)	1:80:E:GLU:C	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	4	3.17
(1,1132)	1:80:G:GLU:C	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	4	3.17
(1,2669)	1:161:I:GLN:C	1:162:I:GLN:N	1:162:I:GLN:CA	1:162:I:GLN:C	4	3.16
(1,2059)	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	1:129:G:SER:N	3	3.16
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	6	3.16
(1,1139)	1:80:J:GLU:C	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	4	3.16
(1,1137)	1:80:L:GLU:C	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	4	3.16
(1,1129)	1:80:F:GLU:C	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	4	3.16
(1,2064)	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	1:129:C:SER:N	3	3.15
(1,1950)	1:121:L:GLY:C	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	3	3.15
(1,1965)	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	1:123:I:GLU:N	4	3.14
(1,1952)	1:121:B:GLY:C	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	3	3.14
(1,1951)	1:121:H:GLY:C	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	3	3.14
(1,1945)	1:121:A:GLY:C	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	3	3.14
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	6	3.14
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	8	3.14
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	8	3.14
(1,1134)	1:80:D:GLU:C	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	4	3.14
(1,2673)	1:161:L:GLN:C	1:162:L:GLN:N	1:162:L:GLN:CA	1:162:L:GLN:C	4	3.13
(1,2665)	1:161:F:GLN:C	1:162:F:GLN:N	1:162:F:GLN:CA	1:162:F:GLN:C	4	3.13
(1,2058)	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	1:129:B:SER:N	3	3.13
(1,2056)	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	1:129:F:SER:N	3	3.13
(1,1959)	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	1:123:J:GLU:N	4	3.13
(1,1948)	1:121:K:GLY:C	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	3	3.13
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	6	3.13
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	6	3.13
(1,1136)	1:80:K:GLU:C	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	4	3.13
(1,2675)	1:161:J:GLN:C	1:162:J:GLN:N	1:162:J:GLN:CA	1:162:J:GLN:C	4	3.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2057)	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	1:129:E:SER:N	3	3.12
(1,2053)	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	1:129:H:SER:N	3	3.12
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	6	3.12
(1,2671)	1:161:A:GLN:C	1:162:A:GLN:N	1:162:A:GLN:CA	1:162:A:GLN:C	4	3.11
(1,2666)	1:161:C:GLN:C	1:162:C:GLN:N	1:162:C:GLN:CA	1:162:C:GLN:C	4	3.11
(1,1957)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:GLU:N	4	3.11
(1,1947)	1:121:J:GLY:C	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	3	3.11
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	6	3.11
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	3	3.11
(1,2668)	1:161:G:GLN:C	1:162:G:GLN:N	1:162:G:GLN:CA	1:162:G:GLN:C	4	3.1
(1,2054)	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	1:129:A:SER:N	3	3.1
(1,1968)	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	1:123:E:GLU:N	4	3.1
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	6	3.1
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	6	3.1
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	8	3.1
(1,2667)	1:161:B:GLN:C	1:162:B:GLN:N	1:162:B:GLN:CA	1:162:B:GLN:C	4	3.09
(1,1963)	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	1:123:H:GLU:N	4	3.09
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	6	3.09
(1,1130)	1:80:C:GLU:C	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	4	3.09
(1,2674)	1:161:E:GLN:C	1:162:E:GLN:N	1:162:E:GLN:CA	1:162:E:GLN:C	4	3.08
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	6	3.08
(1,2676)	1:161:H:GLN:C	1:162:H:GLN:N	1:162:H:GLN:CA	1:162:H:GLN:C	4	3.07
(1,1967)	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	1:123:F:GLU:N	4	3.07
(1,1966)	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	1:123:G:GLU:N	4	3.07
(1,1960)	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	1:123:K:GLU:N	4	3.07
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	8	3.07
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	6	3.07
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	8	3.07
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	8	3.07
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	8	3.07
(1,823)	1:64:A:GLU:C	1:65:A:VAL:N	1:65:A:VAL:CA	1:65:A:VAL:C	4	3.07
(1,2670)	1:161:D:GLN:C	1:162:D:GLN:N	1:162:D:GLN:CA	1:162:D:GLN:C	4	3.06
(1,1964)	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	1:123:B:GLU:N	4	3.06
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	8	3.06
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	8	3.06
(1,818)	1:64:L:GLU:C	1:65:L:VAL:N	1:65:L:VAL:CA	1:65:L:VAL:C	4	3.06
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	3	3.06
(1,1962)	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	1:123:L:GLU:N	4	3.05
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	8	3.05
(1,828)	1:64:C:GLU:C	1:65:C:VAL:N	1:65:C:VAL:CA	1:65:C:VAL:C	4	3.05
(1,827)	1:64:H:GLU:C	1:65:H:VAL:N	1:65:H:VAL:CA	1:65:H:VAL:C	4	3.05
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	3	3.05
(1,1961)	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	1:123:C:GLU:N	4	3.04
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	3	3.04
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	3	3.04
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	5	3.03
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	5	3.03
(1,824)	1:64:B:GLU:C	1:65:B:VAL:N	1:65:B:VAL:CA	1:65:B:VAL:C	4	3.03
(1,821)	1:64:E:GLU:C	1:65:E:VAL:N	1:65:E:VAL:CA	1:65:E:VAL:C	4	3.03
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	3	3.03
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	8	3.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,825)	1:64:G:GLU:C	1:65:G:VAL:N	1:65:G:VAL:CA	1:65:G:VAL:C	4	3.02
(1,822)	1:64:F:GLU:C	1:65:F:VAL:N	1:65:F:VAL:CA	1:65:F:VAL:C	4	3.02
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	3	3.02
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	3	3.02
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	3	3.02
(1,1958)	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	1:123:D:GLU:N	4	3.01
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	8	3.01
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	3	3.01
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	3	3.01
(1,826)	1:64:I:GLU:C	1:65:I:VAL:N	1:65:I:VAL:CA	1:65:I:VAL:C	4	3.01
(1,820)	1:64:J:GLU:C	1:65:J:VAL:N	1:65:J:VAL:CA	1:65:J:VAL:C	4	3.01
(1,819)	1:64:D:GLU:C	1:65:D:VAL:N	1:65:D:VAL:CA	1:65:D:VAL:C	4	3.0
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	3	3.0
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	3	3.0
(1,2335)	1:141:D:GLY:C	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	6	2.99
(1,2334)	1:141:C:GLY:C	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	6	2.99
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	5	2.99
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	5	2.99
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	3	2.99
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	2	2.99
(1,817)	1:64:K:GLU:C	1:65:K:VAL:N	1:65:K:VAL:CA	1:65:K:VAL:C	4	2.99
(1,388)	1:26:F:PRO:C	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	8	2.99
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	3	2.99
(1,2340)	1:141:H:GLY:C	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	6	2.98
(1,2336)	1:141:K:GLY:C	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	6	2.98
(1,2331)	1:141:G:GLY:C	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	6	2.98
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	5	2.98
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	3	2.98
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	3	2.98
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	2	2.98
(1,394)	1:26:A:PRO:C	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	8	2.98
(1,392)	1:26:E:PRO:C	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	8	2.98
(1,385)	1:26:B:PRO:C	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	8	2.98
(1,299)	1:18:C:ILE:C	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1	2.98
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	5	2.97
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	5	2.97
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	5	2.97
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	5	2.97
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	3	2.97
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	3	2.97
(1,297)	1:18:H:ILE:C	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1	2.97
(1,290)	1:18:D:ILE:C	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1	2.97
(1,272)	1:17:J:SER:C	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1	2.97
(1,2333)	1:141:F:GLY:C	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	6	2.96
(1,2330)	1:141:B:GLY:C	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	6	2.96
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	3	2.96
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	3	2.96
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	3	2.96
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	2	2.96
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	2	2.96
(1,396)	1:26:L:PRO:C	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	8	2.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,295)	1:18:G:ILE:C	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1	2.96
(1,266)	1:17:C:SER:C	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1	2.96
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	5	2.95
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	5	2.95
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	2	2.95
(1,389)	1:26:I:PRO:C	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	8	2.95
(1,387)	1:26:G:PRO:C	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	8	2.95
(1,292)	1:18:E:ILE:C	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1	2.95
(1,276)	1:17:L:SER:C	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1	2.95
(1,267)	1:17:F:SER:C	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1	2.95
(1,2332)	1:141:I:GLY:C	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	6	2.94
(1,2329)	1:141:J:GLY:C	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	6	2.94
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	9	2.94
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	3	2.94
(1,395)	1:26:D:PRO:C	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	8	2.94
(1,296)	1:18:I:ILE:C	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1	2.94
(1,294)	1:18:B:ILE:C	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1	2.94
(1,274)	1:17:E:SER:C	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1	2.94
(1,2339)	1:141:A:GLY:C	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	6	2.93
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	1	2.93
(1,289)	1:18:J:ILE:C	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1	2.93
(1,275)	1:17:K:SER:C	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1	2.93
(1,269)	1:17:G:SER:C	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1	2.93
(1,1080)	1:78:F:ALA:N	1:78:F:ALA:CA	1:78:F:ALA:C	1:79:F:ILE:N	10	2.92
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	2	2.92
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	2	2.92
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	2	2.92
(1,393)	1:26:K:PRO:C	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	8	2.92
(1,391)	1:26:J:PRO:C	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	8	2.92
(1,390)	1:26:H:PRO:C	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	8	2.92
(1,386)	1:26:C:PRO:C	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	8	2.92
(1,271)	1:17:H:SER:C	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	2	2.92
(1,2338)	1:141:L:GLY:C	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	6	2.91
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	2	2.91
(1,300)	1:18:K:ILE:C	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1	2.91
(1,293)	1:18:F:ILE:C	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1	2.91
(1,267)	1:17:F:SER:C	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	2	2.91
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	5	2.9
(1,2337)	1:141:E:GLY:C	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	6	2.9
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	9	2.9
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	9	2.9
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	3	2.9
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	1	2.9
(1,273)	1:17:A:SER:C	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1	2.9
(1,269)	1:17:G:SER:C	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	2	2.9
(1,268)	1:17:B:SER:C	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1	2.9
(1,266)	1:17:C:SER:C	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	2	2.9
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	9	2.89
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	9	2.89
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	1	2.89
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	1	2.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	2	2.89
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	2	2.89
(1,298)	1:18:L:ILE:C	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1	2.89
(1,275)	1:17:K:SER:C	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	2	2.89
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	9	2.88
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	9	2.88
(1,1076)	1:78:D:ALA:N	1:78:D:ALA:CA	1:78:D:ALA:C	1:79:D:ILE:N	10	2.88
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	1	2.88
(1,272)	1:17:J:SER:C	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	2	2.88
(1,271)	1:17:H:SER:C	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1	2.88
(1,270)	1:17:I:SER:C	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1	2.88
(1,265)	1:17:D:SER:C	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	2	2.88
(1,1070)	1:78:H:ALA:N	1:78:H:ALA:CA	1:78:H:ALA:C	1:79:H:ILE:N	10	2.87
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	1	2.87
(1,889)	1:67:F:TYR:C	1:68:F:TYR:N	1:68:F:TYR:CA	1:68:F:TYR:C	2	2.87
(1,276)	1:17:L:SER:C	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	2	2.87
(1,274)	1:17:E:SER:C	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	2	2.87
(1,265)	1:17:D:SER:C	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1	2.87
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	5	2.86
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	5	2.86
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	9	2.86
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	5	2.86
(1,1077)	1:78:J:ALA:N	1:78:J:ALA:CA	1:78:J:ALA:C	1:79:J:ILE:N	10	2.86
(1,1074)	1:78:K:ALA:N	1:78:K:ALA:CA	1:78:K:ALA:C	1:79:K:ILE:N	10	2.86
(1,1072)	1:78:I:ALA:N	1:78:I:ALA:CA	1:78:I:ALA:C	1:79:I:ILE:N	10	2.86
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	1	2.86
(1,291)	1:18:A:ILE:C	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1	2.86
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	5	2.85
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	9	2.85
(1,1078)	1:78:B:ALA:N	1:78:B:ALA:CA	1:78:B:ALA:C	1:79:B:ILE:N	10	2.85
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	2	2.85
(1,273)	1:17:A:SER:C	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	2	2.85
(1,270)	1:17:I:SER:C	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	2	2.85
(1,268)	1:17:B:SER:C	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	2	2.85
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	5	2.84
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	9	2.84
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	10	2.84
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	9	2.84
(1,1075)	1:78:L:ALA:N	1:78:L:ALA:CA	1:78:L:ALA:C	1:79:L:ILE:N	10	2.84
(1,898)	1:67:E:TYR:C	1:68:E:TYR:N	1:68:E:TYR:CA	1:68:E:TYR:C	2	2.84
(1,2089)	1:129:A:SER:C	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	5	2.83
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	10	2.83
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	9	2.83
(1,1071)	1:78:G:ALA:N	1:78:G:ALA:CA	1:78:G:ALA:C	1:79:G:ILE:N	10	2.83
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	1	2.83
(1,891)	1:67:B:TYR:C	1:68:B:TYR:N	1:68:B:TYR:CA	1:68:B:TYR:C	2	2.83
(1,51)	1:8:K:GLY:C	1:9:K:GLN:N	1:9:K:GLN:CA	1:9:K:GLN:C	4	2.83
(1,50)	1:8:I:GLY:C	1:9:I:GLN:N	1:9:I:GLN:CA	1:9:I:GLN:C	4	2.83
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	5	2.82
(1,2097)	1:129:G:SER:C	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	5	2.82
(1,2095)	1:129:C:SER:C	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	5	2.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1079)	1:78:E:ALA:N	1:78:E:ALA:CA	1:78:E:ALA:C	1:79:E:ILE:N	10	2.82
(1,897)	1:67:L:TYR:C	1:68:L:TYR:N	1:68:L:TYR:CA	1:68:L:TYR:C	2	2.82
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	4	2.82
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	5	2.81
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	5	2.81
(1,2100)	1:129:H:SER:C	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	5	2.81
(1,1069)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ILE:N	10	2.81
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	1	2.81
(1,900)	1:67:H:TYR:C	1:68:H:TYR:N	1:68:H:TYR:CA	1:68:H:TYR:C	2	2.81
(1,892)	1:67:G:TYR:C	1:68:G:TYR:N	1:68:G:TYR:CA	1:68:G:TYR:C	2	2.81
(1,2093)	1:129:I:SER:C	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	5	2.8
(1,2090)	1:129:E:SER:C	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	5	2.8
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	10	2.8
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	10	2.8
(1,1073)	1:78:C:ALA:N	1:78:C:ALA:CA	1:78:C:ALA:C	1:79:C:ILE:N	10	2.8
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	1	2.8
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	1	2.8
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	1	2.8
(1,899)	1:67:J:TYR:C	1:68:J:TYR:N	1:68:J:TYR:CA	1:68:J:TYR:C	2	2.8
(1,895)	1:67:A:TYR:C	1:68:A:TYR:N	1:68:A:TYR:CA	1:68:A:TYR:C	2	2.8
(1,890)	1:67:C:TYR:C	1:68:C:TYR:N	1:68:C:TYR:CA	1:68:C:TYR:C	2	2.8
(1,789)	1:63:I:GLY:N	1:63:I:GLY:CA	1:63:I:GLY:C	1:64:I:GLU:N	5	2.8
(1,783)	1:63:J:GLY:N	1:63:J:GLY:CA	1:63:J:GLY:C	1:64:J:GLU:N	5	2.8
(1,57)	1:8:B:GLY:C	1:9:B:GLN:N	1:9:B:GLN:CA	1:9:B:GLN:C	4	2.8
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	10	2.79
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	10	2.79
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	10	2.79
(1,896)	1:67:K:TYR:C	1:68:K:TYR:N	1:68:K:TYR:CA	1:68:K:TYR:C	2	2.79
(1,786)	1:63:L:GLY:N	1:63:L:GLY:CA	1:63:L:GLY:C	1:64:L:GLU:N	5	2.79
(1,232)	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	1:17:H:SER:N	4	2.79
(1,53)	1:8:G:GLY:C	1:9:G:GLN:N	1:9:G:GLN:CA	1:9:G:GLN:C	4	2.79
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	5	2.78
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	5	2.78
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	5	2.78
(1,2510)	1:150:A:ILE:N	1:150:A:ILE:CA	1:150:A:ILE:C	1:151:A:VAL:N	9	2.78
(1,2094)	1:129:D:SER:C	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	5	2.78
(1,2092)	1:129:L:SER:C	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	5	2.78
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	10	2.78
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	10	2.78
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	10	2.78
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	10	2.78
(1,1118)	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	1:81:C:ASP:N	8	2.78
(1,791)	1:63:B:GLY:N	1:63:B:GLY:CA	1:63:B:GLY:C	1:64:B:GLU:N	5	2.78
(1,234)	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	1:17:K:SER:N	4	2.78
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	4	2.78
(1,59)	1:8:F:GLY:C	1:9:F:GLN:N	1:9:F:GLN:CA	1:9:F:GLN:C	4	2.78
(1,2099)	1:129:J:SER:C	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	5	2.77
(1,2096)	1:129:F:SER:C	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	5	2.77
(1,2091)	1:129:K:SER:C	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	5	2.77
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	10	2.77
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	10	2.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1125)	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	1:81:A:ASP:N	8	2.77
(1,784)	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	1:64:D:GLU:N	5	2.77
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	4	2.77
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	4	2.77
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	4	2.77
(1,49)	1:8:H:GLY:C	1:9:H:GLN:N	1:9:H:GLN:CA	1:9:H:GLN:C	4	2.77
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	5	2.76
(1,2517)	1:150:G:ILE:N	1:150:G:ILE:CA	1:150:G:ILE:C	1:151:G:VAL:N	9	2.76
(1,2514)	1:150:C:ILE:N	1:150:C:ILE:CA	1:150:C:ILE:C	1:151:C:VAL:N	9	2.76
(1,2511)	1:150:K:ILE:N	1:150:K:ILE:CA	1:150:K:ILE:C	1:151:K:VAL:N	9	2.76
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	10	2.76
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	10	2.76
(1,781)	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	1:64:F:GLU:N	5	2.76
(1,237)	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	1:17:D:SER:N	4	2.76
(1,54)	1:8:L:GLY:C	1:9:L:GLN:N	1:9:L:GLN:CA	1:9:L:GLN:C	4	2.76
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	9	2.75
(1,2518)	1:150:I:ILE:N	1:150:I:ILE:CA	1:150:I:ILE:C	1:151:I:VAL:N	9	2.75
(1,2515)	1:150:F:ILE:N	1:150:F:ILE:CA	1:150:F:ILE:C	1:151:F:VAL:N	9	2.75
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	6	2.75
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	10	2.75
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	3	2.75
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	3	2.75
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	10	2.75
(1,1126)	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	1:81:L:ASP:N	8	2.75
(1,1121)	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	1:81:I:ASP:N	8	2.75
(1,790)	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	1:64:H:GLU:N	5	2.75
(1,60)	1:8:J:GLY:C	1:9:J:GLN:N	1:9:J:GLN:CA	1:9:J:GLN:C	4	2.75
(1,56)	1:8:D:GLY:C	1:9:D:GLN:N	1:9:D:GLN:CA	1:9:D:GLN:C	4	2.75
(1,52)	1:8:A:GLY:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	4	2.75
(1,2509)	1:150:E:ILE:N	1:150:E:ILE:CA	1:150:E:ILE:C	1:151:E:VAL:N	9	2.74
(1,2098)	1:129:B:SER:C	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	5	2.74
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	3	2.74
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	10	2.74
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	10	2.74
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	10	2.74
(1,788)	1:63:C:GLY:N	1:63:C:GLY:CA	1:63:C:GLY:C	1:64:C:GLU:N	5	2.74
(1,240)	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	1:17:F:SER:N	4	2.74
(1,239)	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	1:17:E:SER:N	4	2.74
(1,238)	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	1:17:A:SER:N	4	2.74
(1,233)	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	1:17:C:SER:N	4	2.74
(1,230)	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	1:17:G:SER:N	4	2.74
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	4	2.74
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	4	2.74
(1,2519)	1:150:H:ILE:N	1:150:H:ILE:CA	1:150:H:ILE:C	1:151:H:VAL:N	9	2.73
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	3	2.73
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	3	2.73
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	3	2.73
(1,1120)	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	1:81:F:ASP:N	8	2.73
(1,1117)	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	1:81:B:ASP:N	8	2.73
(1,894)	1:67:D:TYR:C	1:68:D:TYR:N	1:68:D:TYR:CA	1:68:D:TYR:C	2	2.73
(1,893)	1:67:I:TYR:C	1:68:I:TYR:N	1:68:I:TYR:CA	1:68:I:TYR:C	2	2.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,235)	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	1:17:L:SER:N	4	2.73
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	4	2.73
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	8	2.72
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	10	2.72
(1,1128)	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	1:81:D:ASP:N	8	2.72
(1,1127)	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	1:81:E:ASP:N	8	2.72
(1,787)	1:63:G:GLY:N	1:63:G:GLY:CA	1:63:G:GLY:C	1:64:G:GLU:N	5	2.72
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	4	2.72
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	4	2.72
(1,2516)	1:150:B:ILE:N	1:150:B:ILE:CA	1:150:B:ILE:C	1:151:B:VAL:N	9	2.71
(1,2512)	1:150:L:ILE:N	1:150:L:ILE:CA	1:150:L:ILE:C	1:151:L:VAL:N	9	2.71
(1,2349)	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	1:143:E:ILE:N	8	2.71
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	10	2.71
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	10	2.71
(1,1123)	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	1:81:H:ASP:N	8	2.71
(1,1122)	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	1:81:J:ASP:N	8	2.71
(1,1119)	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	1:81:G:ASP:N	8	2.71
(1,785)	1:63:K:GLY:N	1:63:K:GLY:CA	1:63:K:GLY:C	1:64:K:GLU:N	5	2.71
(1,782)	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	1:64:E:GLU:N	5	2.71
(1,236)	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	1:17:J:SER:N	4	2.71
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	4	2.71
(1,58)	1:8:C:GLY:C	1:9:C:GLN:N	1:9:C:GLN:CA	1:9:C:GLN:C	4	2.71
(1,55)	1:8:E:GLY:C	1:9:E:GLN:N	1:9:E:GLN:CA	1:9:E:GLN:C	4	2.71
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	6	2.7
(1,2347)	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	1:143:D:ILE:N	8	2.7
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	3	2.7
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	3	2.7
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	3	2.7
(1,231)	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	1:17:I:SER:N	4	2.7
(1,16)	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	1:7:G:MET:N	7	2.7
(1,2346)	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	1:143:C:ILE:N	8	2.69
(1,2344)	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	1:143:I:ILE:N	8	2.69
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	10	2.69
(1,229)	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	1:17:B:SER:N	4	2.69
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	4	2.69
(1,23)	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	1:7:K:MET:N	7	2.69
(1,21)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:MET:N	7	2.69
(1,2513)	1:150:D:ILE:N	1:150:D:ILE:CA	1:150:D:ILE:C	1:151:D:VAL:N	9	2.68
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	8	2.68
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	6	2.68
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	3	2.68
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	3	2.68
(1,415)	1:27:D:LEU:C	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	3	2.68
(1,13)	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	1:7:C:MET:N	7	2.68
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	6	2.67
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	6	2.67
(1,2352)	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	1:143:H:ILE:N	8	2.67
(1,2343)	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	1:143:G:ILE:N	8	2.67
(1,2342)	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	1:143:B:ILE:N	8	2.67
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	3	2.67
(1,792)	1:63:A:GLY:N	1:63:A:GLY:CA	1:63:A:GLY:C	1:64:A:GLU:N	5	2.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,24)	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	1:7:D:MET:N	7	2.67
(1,20)	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	1:7:E:MET:N	7	2.67
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	8	2.66
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	8	2.66
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	6	2.66
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	8	2.66
(1,2351)	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	1:143:A:ILE:N	8	2.66
(1,2350)	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	1:143:L:ILE:N	8	2.66
(1,2348)	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	1:143:K:ILE:N	8	2.66
(1,2345)	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	1:143:F:ILE:N	8	2.66
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	3	2.66
(1,1124)	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	1:81:K:ASP:N	8	2.66
(1,407)	1:27:D:LEU:N	1:27:D:LEU:CA	1:27:D:LEU:C	1:28:D:PHE:N	1	2.66
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	5	2.66
(1,19)	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	1:7:J:MET:N	7	2.66
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	8	2.65
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	3	2.65
(1,1216)	1:84:J:GLN:N	1:84:J:GLN:CA	1:84:J:GLN:C	1:85:J:ASN:N	3	2.65
(1,403)	1:27:J:LEU:N	1:27:J:LEU:CA	1:27:J:LEU:C	1:28:J:PHE:N	1	2.65
(1,17)	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	1:7:I:MET:N	7	2.65
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	6	2.64
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	6	2.64
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	8	2.64
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	6	2.64
(1,2341)	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	1:143:J:ILE:N	8	2.64
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	8	2.64
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	8	2.64
(1,1628)	1:106:F:ALA:N	1:106:F:ALA:CA	1:106:F:ALA:C	1:107:F:GLN:N	7	2.64
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	3	2.64
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	3	2.64
(1,1294)	1:87:F:LYS:N	1:87:F:LYS:CA	1:87:F:LYS:C	1:88:F:GLN:N	2	2.64
(1,1290)	1:87:G:LYS:N	1:87:G:LYS:CA	1:87:G:LYS:C	1:88:G:GLN:N	2	2.64
(1,1288)	1:87:L:LYS:N	1:87:L:LYS:CA	1:87:L:LYS:C	1:88:L:GLN:N	2	2.64
(1,404)	1:27:E:LEU:N	1:27:E:LEU:CA	1:27:E:LEU:C	1:28:E:PHE:N	1	2.64
(1,18)	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	1:7:H:MET:N	7	2.64
(1,14)	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	1:7:F:MET:N	7	2.64
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	8	2.63
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	8	2.63
(1,1904)	1:117:J:GLU:C	1:118:J:TYR:N	1:118:J:TYR:CA	1:118:J:TYR:C	2	2.63
(1,1629)	1:106:I:ALA:N	1:106:I:ALA:CA	1:106:I:ALA:C	1:107:I:GLN:N	7	2.63
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	3	2.63
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	3	2.63
(1,1289)	1:87:E:LYS:N	1:87:E:LYS:CA	1:87:E:LYS:C	1:88:E:GLN:N	2	2.63
(1,1235)	1:84:K:GLN:C	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	4	2.63
(1,418)	1:27:F:LEU:C	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	3	2.63
(1,405)	1:27:K:LEU:N	1:27:K:LEU:CA	1:27:K:LEU:C	1:28:K:PHE:N	1	2.63
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	5	2.63
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	5	2.63
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	8	2.62
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	6	2.62
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	8	2.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	8	2.62
(1,1901)	1:117:C:GLU:C	1:118:C:TYR:N	1:118:C:TYR:CA	1:118:C:TYR:C	2	2.62
(1,1631)	1:106:H:ALA:N	1:106:H:ALA:CA	1:106:H:ALA:C	1:107:H:GLN:N	7	2.62
(1,1625)	1:106:B:ALA:N	1:106:B:ALA:CA	1:106:B:ALA:C	1:107:B:GLN:N	7	2.62
(1,1621)	1:106:C:ALA:N	1:106:C:ALA:CA	1:106:C:ALA:C	1:107:C:GLN:N	7	2.62
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	3	2.62
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	3	2.62
(1,1293)	1:87:H:LYS:N	1:87:H:LYS:CA	1:87:H:LYS:C	1:88:H:GLN:N	2	2.62
(1,1287)	1:87:K:LYS:N	1:87:K:LYS:CA	1:87:K:LYS:C	1:88:K:GLN:N	2	2.62
(1,1220)	1:84:B:GLN:N	1:84:B:GLN:CA	1:84:B:GLN:C	1:85:B:ASN:N	3	2.62
(1,1217)	1:84:E:GLN:N	1:84:E:GLN:CA	1:84:E:GLN:C	1:85:E:ASN:N	3	2.62
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	1	2.62
(1,408)	1:27:L:LEU:N	1:27:L:LEU:CA	1:27:L:LEU:C	1:28:L:PHE:N	1	2.62
(1,401)	1:27:I:LEU:N	1:27:I:LEU:CA	1:27:I:LEU:C	1:28:I:PHE:N	1	2.62
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	5	2.62
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	5	2.62
(1,15)	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	1:7:B:MET:N	7	2.62
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	8	2.61
(1,1622)	1:106:D:ALA:N	1:106:D:ALA:CA	1:106:D:ALA:C	1:107:D:GLN:N	7	2.61
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	3	2.61
(1,1295)	1:87:C:LYS:N	1:87:C:LYS:CA	1:87:C:LYS:C	1:88:C:GLN:N	2	2.61
(1,1292)	1:87:I:LYS:N	1:87:I:LYS:CA	1:87:I:LYS:C	1:88:I:GLN:N	2	2.61
(1,1286)	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	1:88:A:GLN:N	2	2.61
(1,1234)	1:84:J:GLN:C	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	4	2.61
(1,1232)	1:84:A:GLN:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	4	2.61
(1,420)	1:27:B:LEU:C	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	3	2.61
(1,416)	1:27:J:LEU:C	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	3	2.61
(1,411)	1:27:C:LEU:C	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	3	2.61
(1,402)	1:27:H:LEU:N	1:27:H:LEU:CA	1:27:H:LEU:C	1:28:H:PHE:N	1	2.61
(1,399)	1:27:G:LEU:N	1:27:G:LEU:CA	1:27:G:LEU:C	1:28:G:PHE:N	1	2.61
(1,398)	1:27:C:LEU:N	1:27:C:LEU:CA	1:27:C:LEU:C	1:28:C:PHE:N	1	2.61
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	6	2.6
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	6	2.6
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	8	2.6
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	8	2.6
(1,1704)	1:109:J:GLY:N	1:109:J:GLY:CA	1:109:J:GLY:C	1:110:J:PHE:N	6	2.6
(1,1701)	1:109:C:GLY:N	1:109:C:GLY:CA	1:109:C:GLY:C	1:110:C:PHE:N	6	2.6
(1,1627)	1:106:G:ALA:N	1:106:G:ALA:CA	1:106:G:ALA:C	1:107:G:GLN:N	7	2.6
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	3	2.6
(1,1296)	1:87:B:LYS:N	1:87:B:LYS:CA	1:87:B:LYS:C	1:88:B:GLN:N	2	2.6
(1,1229)	1:84:I:GLN:C	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	4	2.6
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	1	2.6
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	1	2.6
(1,413)	1:27:K:LEU:C	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	3	2.6
(1,412)	1:27:I:LEU:C	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	3	2.6
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	5	2.6
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	5	2.6
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	8	2.59
(1,1907)	1:117:E:GLU:C	1:118:E:TYR:N	1:118:E:TYR:CA	1:118:E:TYR:C	2	2.59
(1,1702)	1:109:F:GLY:N	1:109:F:GLY:CA	1:109:F:GLY:C	1:110:F:PHE:N	6	2.59
(1,1697)	1:109:L:GLY:N	1:109:L:GLY:CA	1:109:L:GLY:C	1:110:L:PHE:N	6	2.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1694)	1:109:G:GLY:N	1:109:G:GLY:CA	1:109:G:GLY:C	1:110:G:PHE:N	6	2.59
(1,1632)	1:106:K:ALA:N	1:106:K:ALA:CA	1:106:K:ALA:C	1:107:K:GLN:N	7	2.59
(1,1630)	1:106:L:ALA:N	1:106:L:ALA:CA	1:106:L:ALA:C	1:107:L:GLN:N	7	2.59
(1,1624)	1:106:A:ALA:N	1:106:A:ALA:CA	1:106:A:ALA:C	1:107:A:GLN:N	7	2.59
(1,1623)	1:106:J:ALA:N	1:106:J:ALA:CA	1:106:J:ALA:C	1:107:J:GLN:N	7	2.59
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	3	2.59
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	3	2.59
(1,1285)	1:87:D:LYS:N	1:87:D:LYS:CA	1:87:D:LYS:C	1:88:D:GLN:N	2	2.59
(1,1236)	1:84:C:GLN:C	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	4	2.59
(1,1225)	1:84:L:GLN:C	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	4	2.59
(1,1214)	1:84:L:GLN:N	1:84:L:GLN:CA	1:84:L:GLN:C	1:85:L:ASN:N	3	2.59
(1,673)	1:52:A:ARG:C	1:53:A:ILE:N	1:53:A:ILE:CA	1:53:A:ILE:C	5	2.59
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	1	2.59
(1,406)	1:27:A:LEU:N	1:27:A:LEU:CA	1:27:A:LEU:C	1:28:A:PHE:N	1	2.59
(1,400)	1:27:F:LEU:N	1:27:F:LEU:CA	1:27:F:LEU:C	1:28:F:PHE:N	1	2.59
(1,397)	1:27:B:LEU:N	1:27:B:LEU:CA	1:27:B:LEU:C	1:28:B:PHE:N	1	2.59
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	5	2.59
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	5	2.59
(1,22)	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	1:7:L:MET:N	7	2.59
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	8	2.58
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	8	2.58
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	8	2.58
(1,1699)	1:109:D:GLY:N	1:109:D:GLY:CA	1:109:D:GLY:C	1:110:D:PHE:N	6	2.58
(1,1695)	1:109:K:GLY:N	1:109:K:GLY:CA	1:109:K:GLY:C	1:110:K:PHE:N	6	2.58
(1,1222)	1:84:I:GLN:N	1:84:I:GLN:CA	1:84:I:GLN:C	1:85:I:ASN:N	3	2.58
(1,1219)	1:84:A:GLN:N	1:84:A:GLN:CA	1:84:A:GLN:C	1:85:A:ASN:N	3	2.58
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	1	2.58
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	5	2.58
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	8	2.57
(1,1905)	1:117:D:GLU:C	1:118:D:TYR:N	1:118:D:TYR:CA	1:118:D:TYR:C	2	2.57
(1,1900)	1:117:H:GLU:C	1:118:H:TYR:N	1:118:H:TYR:CA	1:118:H:TYR:C	2	2.57
(1,1700)	1:109:B:GLY:N	1:109:B:GLY:CA	1:109:B:GLY:C	1:110:B:PHE:N	6	2.57
(1,1698)	1:109:E:GLY:N	1:109:E:GLY:CA	1:109:E:GLY:C	1:110:E:PHE:N	6	2.57
(1,1693)	1:109:H:GLY:N	1:109:H:GLY:CA	1:109:H:GLY:C	1:110:H:PHE:N	6	2.57
(1,1626)	1:106:E:ALA:N	1:106:E:ALA:CA	1:106:E:ALA:C	1:107:E:GLN:N	7	2.57
(1,1231)	1:84:E:GLN:C	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	4	2.57
(1,1228)	1:84:G:GLN:C	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	4	2.57
(1,1223)	1:84:H:GLN:N	1:84:H:GLN:CA	1:84:H:GLN:C	1:85:H:ASN:N	3	2.57
(1,1218)	1:84:F:GLN:N	1:84:F:GLN:CA	1:84:F:GLN:C	1:85:F:ASN:N	3	2.57
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	7	2.57
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	7	2.57
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	7	2.57
(1,682)	1:52:F:ARG:C	1:53:F:ILE:N	1:53:F:ILE:CA	1:53:F:ILE:C	5	2.57
(1,678)	1:52:C:ARG:C	1:53:C:ILE:N	1:53:C:ILE:CA	1:53:C:ILE:C	5	2.57
(1,676)	1:52:J:ARG:C	1:53:J:ILE:N	1:53:J:ILE:CA	1:53:J:ILE:C	5	2.57
(1,674)	1:52:D:ARG:C	1:53:D:ILE:N	1:53:D:ILE:CA	1:53:D:ILE:C	5	2.57
(1,417)	1:27:E:LEU:C	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	3	2.57
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	2	2.56
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	2	2.56
(1,1899)	1:117:I:GLU:C	1:118:I:TYR:N	1:118:I:TYR:CA	1:118:I:TYR:C	2	2.56
(1,1696)	1:109:A:GLY:N	1:109:A:GLY:CA	1:109:A:GLY:C	1:110:A:PHE:N	6	2.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1291)	1:87:J:LYS:N	1:87:J:LYS:CA	1:87:J:LYS:C	1:88:J:GLN:N	2	2.56
(1,1226)	1:84:H:GLN:C	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	4	2.56
(1,1213)	1:84:K:GLN:N	1:84:K:GLN:CA	1:84:K:GLN:C	1:85:K:ASN:N	3	2.56
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	8	2.56
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	7	2.56
(1,683)	1:52:E:ARG:C	1:53:E:ILE:N	1:53:E:ILE:CA	1:53:E:ILE:C	5	2.56
(1,681)	1:52:B:ARG:C	1:53:B:ILE:N	1:53:B:ILE:CA	1:53:B:ILE:C	5	2.56
(1,680)	1:52:H:ARG:C	1:53:H:ILE:N	1:53:H:ILE:CA	1:53:H:ILE:C	5	2.56
(1,679)	1:52:L:ARG:C	1:53:L:ILE:N	1:53:L:ILE:CA	1:53:L:ILE:C	5	2.56
(1,677)	1:52:K:ARG:C	1:53:K:ILE:N	1:53:K:ILE:CA	1:53:K:ILE:C	5	2.56
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	1	2.56
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	1	2.56
(1,409)	1:27:H:LEU:C	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	3	2.56
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	8	2.55
(1,1906)	1:117:A:GLU:C	1:118:A:TYR:N	1:118:A:TYR:CA	1:118:A:TYR:C	2	2.55
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	5	2.55
(1,1230)	1:84:F:GLN:C	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	4	2.55
(1,1221)	1:84:G:GLN:N	1:84:G:GLN:CA	1:84:G:GLN:C	1:85:G:ASN:N	3	2.55
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	8	2.55
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	7	2.55
(1,684)	1:52:I:ARG:C	1:53:I:ILE:N	1:53:I:ILE:CA	1:53:I:ILE:C	5	2.55
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	1	2.55
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	1	2.55
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	1	2.55
(1,419)	1:27:A:LEU:C	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	3	2.55
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	2	2.54
(1,1903)	1:117:L:GLU:C	1:118:L:TYR:N	1:118:L:TYR:CA	1:118:L:TYR:C	2	2.54
(1,1898)	1:117:G:GLU:C	1:118:G:TYR:N	1:118:G:TYR:CA	1:118:G:TYR:C	2	2.54
(1,1897)	1:117:B:GLU:C	1:118:B:TYR:N	1:118:B:TYR:CA	1:118:B:TYR:C	2	2.54
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	5	2.54
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	5	2.54
(1,1227)	1:84:B:GLN:C	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	4	2.54
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	8	2.54
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	8	2.54
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	7	2.54
(1,675)	1:52:G:ARG:C	1:53:G:ILE:N	1:53:G:ILE:CA	1:53:G:ILE:C	5	2.54
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	1	2.54
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	1	2.54
(1,414)	1:27:L:LEU:C	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	3	2.54
(1,410)	1:27:G:LEU:C	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	3	2.54
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	5	2.54
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	8	2.53
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	2	2.53
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	2	2.53
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	2	2.53
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	5	2.53
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	5	2.53
(1,1703)	1:109:I:GLY:N	1:109:I:GLY:CA	1:109:I:GLY:C	1:110:I:PHE:N	6	2.53
(1,1233)	1:84:D:GLN:C	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	4	2.53
(1,1224)	1:84:C:GLN:N	1:84:C:GLN:CA	1:84:C:GLN:C	1:85:C:ASN:N	3	2.53
(1,1072)	1:78:I:ALA:N	1:78:I:ALA:CA	1:78:I:ALA:C	1:79:I:ILE:N	4	2.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	7	2.53
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	5	2.53
(1,2099)	1:129:J:SER:C	1:130:J:ILE:N	1:130:J:ILE:CA	1:130:J:ILE:C	2	2.52
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	5	2.52
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	7	2.52
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	2	2.51
(1,2092)	1:129:L:SER:C	1:130:L:ILE:N	1:130:L:ILE:CA	1:130:L:ILE:C	2	2.51
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	5	2.51
(1,1215)	1:84:D:GLN:N	1:84:D:GLN:CA	1:84:D:GLN:C	1:85:D:ASN:N	3	2.51
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	8	2.51
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	8	2.51
(1,201)	1:14:I:LEU:C	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1	2.51
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	2	2.5
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	2	2.5
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	2	2.5
(1,2100)	1:129:H:SER:C	1:130:H:ILE:N	1:130:H:ILE:CA	1:130:H:ILE:C	2	2.5
(1,2091)	1:129:K:SER:C	1:130:K:ILE:N	1:130:K:ILE:CA	1:130:K:ILE:C	2	2.5
(1,1908)	1:117:F:GLU:C	1:118:F:TYR:N	1:118:F:TYR:CA	1:118:F:TYR:C	2	2.5
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	5	2.5
(1,1105)	1:79:B:ILE:C	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	3	2.5
(1,1070)	1:78:H:ALA:N	1:78:H:ALA:CA	1:78:H:ALA:C	1:79:H:ILE:N	4	2.5
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	7	2.5
(1,204)	1:14:D:LEU:C	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1	2.5
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	2	2.49
(1,2098)	1:129:B:SER:C	1:130:B:ILE:N	1:130:B:ILE:CA	1:130:B:ILE:C	2	2.49
(1,2089)	1:129:A:SER:C	1:130:A:ILE:N	1:130:A:ILE:CA	1:130:A:ILE:C	2	2.49
(1,1902)	1:117:K:GLU:C	1:118:K:TYR:N	1:118:K:TYR:CA	1:118:K:TYR:C	2	2.49
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	8	2.49
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	10	2.49
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	8	2.49
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	8	2.49
(1,1115)	1:79:E:ILE:C	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	3	2.49
(1,1077)	1:78:J:ALA:N	1:78:J:ALA:CA	1:78:J:ALA:C	1:79:J:ILE:N	4	2.49
(1,1073)	1:78:C:ALA:N	1:78:C:ALA:CA	1:78:C:ALA:C	1:79:C:ILE:N	4	2.49
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	7	2.49
(1,202)	1:14:F:LEU:C	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1	2.49
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	8	2.49
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	5	2.48
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	5	2.48
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	10	2.48
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	8	2.48
(1,1078)	1:78:B:ALA:N	1:78:B:ALA:CA	1:78:B:ALA:C	1:79:B:ILE:N	4	2.48
(1,1074)	1:78:K:ALA:N	1:78:K:ALA:CA	1:78:K:ALA:C	1:79:K:ILE:N	4	2.48
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	8	2.48
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	2	2.47
(1,2096)	1:129:F:SER:C	1:130:F:ILE:N	1:130:F:ILE:CA	1:130:F:ILE:C	2	2.47
(1,2094)	1:129:D:SER:C	1:130:D:ILE:N	1:130:D:ILE:CA	1:130:D:ILE:C	2	2.47
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	8	2.47
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	8	2.47
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	8	2.47
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	8	2.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	8	2.47
(1,1114)	1:79:L:ILE:C	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	3	2.47
(1,1107)	1:79:G:ILE:C	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	3	2.47
(1,203)	1:14:C:LEU:C	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1	2.47
(1,199)	1:14:B:LEU:C	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1	2.47
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	8	2.47
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	8	2.47
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	8	2.47
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	8	2.47
(1,2095)	1:129:C:SER:C	1:130:C:ILE:N	1:130:C:ILE:CA	1:130:C:ILE:C	2	2.46
(1,2093)	1:129:I:SER:C	1:130:I:ILE:N	1:130:I:ILE:CA	1:130:I:ILE:C	2	2.46
(1,2090)	1:129:E:SER:C	1:130:E:ILE:N	1:130:E:ILE:CA	1:130:E:ILE:C	2	2.46
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	5	2.46
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	5	2.46
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	8	2.46
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	10	2.46
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	8	2.46
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	8	2.46
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	8	2.46
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	8	2.46
(1,1110)	1:79:J:ILE:C	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	3	2.46
(1,1076)	1:78:D:ALA:N	1:78:D:ALA:CA	1:78:D:ALA:C	1:79:D:ILE:N	4	2.46
(1,1069)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ILE:N	4	2.46
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	7	2.46
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	7	2.46
(1,200)	1:14:G:LEU:C	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1	2.46
(1,197)	1:14:H:LEU:C	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1	2.46
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	8	2.46
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	8	2.45
(1,1106)	1:79:C:ILE:C	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	3	2.45
(1,1080)	1:78:F:ALA:N	1:78:F:ALA:CA	1:78:F:ALA:C	1:79:F:ILE:N	4	2.45
(1,1075)	1:78:L:ALA:N	1:78:L:ALA:CA	1:78:L:ALA:C	1:79:L:ILE:N	4	2.45
(1,198)	1:14:J:LEU:C	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1	2.45
(1,195)	1:14:L:LEU:C	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1	2.45
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	8	2.45
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	8	2.45
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	8	2.45
(1,2097)	1:129:G:SER:C	1:130:G:ILE:N	1:130:G:ILE:CA	1:130:G:ILE:C	2	2.44
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	10	2.44
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	10	2.44
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	8	2.44
(1,1109)	1:79:I:ILE:C	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	3	2.44
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	10	2.44
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	8	2.44
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	8	2.44
(1,2198)	1:134:B:VAL:N	1:134:B:VAL:CA	1:134:B:VAL:C	1:135:B:ILE:N	8	2.43
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	10	2.43
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	8	2.43
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	8	2.43
(1,1111)	1:79:H:ILE:C	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	3	2.43
(1,194)	1:14:E:LEU:C	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1	2.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,193)	1:14:K:LEU:C	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1	2.43
(1,2208)	1:134:J:VAL:N	1:134:J:VAL:CA	1:134:J:VAL:C	1:135:J:ILE:N	8	2.42
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	10	2.42
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	10	2.42
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	8	2.42
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	8	2.42
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	8	2.42
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	8	2.42
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	8	2.42
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	8	2.42
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	8	2.42
(1,1116)	1:79:D:ILE:C	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	3	2.42
(1,1108)	1:79:F:ILE:C	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	3	2.42
(1,1079)	1:78:E:ALA:N	1:78:E:ALA:CA	1:78:E:ALA:C	1:79:E:ILE:N	4	2.42
(1,1071)	1:78:G:ALA:N	1:78:G:ALA:CA	1:78:G:ALA:C	1:79:G:ILE:N	4	2.42
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	10	2.42
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	10	2.42
(1,196)	1:14:A:LEU:C	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1	2.42
(1,2204)	1:134:K:VAL:N	1:134:K:VAL:CA	1:134:K:VAL:C	1:135:K:ILE:N	8	2.41
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	10	2.41
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	10	2.41
(1,2200)	1:134:I:VAL:N	1:134:I:VAL:CA	1:134:I:VAL:C	1:135:I:ILE:N	8	2.4
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	8	2.4
(1,1113)	1:79:A:ILE:C	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	3	2.4
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	2	2.4
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	10	2.4
(1,2197)	1:134:H:VAL:N	1:134:H:VAL:CA	1:134:H:VAL:C	1:135:H:ILE:N	8	2.39
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	8	2.39
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	10	2.39
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	10	2.39
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	10	2.39
(1,2207)	1:134:E:VAL:N	1:134:E:VAL:CA	1:134:E:VAL:C	1:135:E:ILE:N	8	2.38
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	8	2.38
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	8	2.38
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	10	2.38
(1,2205)	1:134:L:VAL:N	1:134:L:VAL:CA	1:134:L:VAL:C	1:135:L:ILE:N	8	2.37
(1,1717)	1:110:F:PHE:N	1:110:F:PHE:CA	1:110:F:PHE:C	1:111:F:ALA:N	4	2.37
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	10	2.37
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	10	2.37
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	8	2.37
(1,1112)	1:79:K:ILE:C	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	3	2.37
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	2	2.37
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	2	2.37
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	1	2.36
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	2	2.36
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	2	2.36
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	10	2.36
(1,2206)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:ILE:N	8	2.35
(1,2203)	1:134:D:VAL:N	1:134:D:VAL:CA	1:134:D:VAL:C	1:135:D:ILE:N	8	2.35
(1,2199)	1:134:G:VAL:N	1:134:G:VAL:CA	1:134:G:VAL:C	1:135:G:ILE:N	8	2.35
(1,1727)	1:110:H:PHE:N	1:110:H:PHE:CA	1:110:H:PHE:C	1:111:H:ALA:N	4	2.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1726)	1:110:K:PHE:N	1:110:K:PHE:CA	1:110:K:PHE:C	1:111:K:ALA:N	4	2.35
(1,1718)	1:110:L:PHE:N	1:110:L:PHE:CA	1:110:L:PHE:C	1:111:L:ALA:N	4	2.35
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	10	2.35
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	2	2.35
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	3	2.35
(1,1133)	1:80:I:GLU:C	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	7	2.34
(1,1129)	1:80:F:GLU:C	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	7	2.34
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	2	2.34
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	10	2.34
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	3	2.34
(1,1721)	1:110:G:PHE:N	1:110:G:PHE:CA	1:110:G:PHE:C	1:111:G:ALA:N	4	2.33
(1,1720)	1:110:B:PHE:N	1:110:B:PHE:CA	1:110:B:PHE:C	1:111:B:ALA:N	4	2.33
(1,1139)	1:80:J:GLU:C	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	7	2.33
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	2	2.33
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	10	2.33
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	3	2.33
(1,1728)	1:110:J:PHE:N	1:110:J:PHE:CA	1:110:J:PHE:C	1:111:J:ALA:N	4	2.32
(1,1725)	1:110:A:PHE:N	1:110:A:PHE:CA	1:110:A:PHE:C	1:111:A:ALA:N	4	2.32
(1,1724)	1:110:E:PHE:N	1:110:E:PHE:CA	1:110:E:PHE:C	1:111:E:ALA:N	4	2.32
(1,1722)	1:110:I:PHE:N	1:110:I:PHE:CA	1:110:I:PHE:C	1:111:I:ALA:N	4	2.32
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	1	2.32
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	1	2.32
(1,1131)	1:80:B:GLU:C	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	7	2.32
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	2	2.32
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	2	2.32
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	2	2.32
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	3	2.32
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	3	2.32
(1,1719)	1:110:C:PHE:N	1:110:C:PHE:CA	1:110:C:PHE:C	1:111:C:ALA:N	4	2.31
(1,1136)	1:80:K:GLU:C	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	7	2.31
(1,1134)	1:80:D:GLU:C	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	7	2.31
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	2	2.31
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	3	2.31
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	3	2.31
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	3	2.31
(1,2202)	1:134:C:VAL:N	1:134:C:VAL:CA	1:134:C:VAL:C	1:135:C:ILE:N	8	2.3
(1,1723)	1:110:D:PHE:N	1:110:D:PHE:CA	1:110:D:PHE:C	1:111:D:ALA:N	4	2.3
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	1	2.3
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	1	2.3
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	1	2.3
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	1	2.3
(1,2201)	1:134:F:VAL:N	1:134:F:VAL:CA	1:134:F:VAL:C	1:135:F:ILE:N	8	2.29
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	2	2.29
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	2	2.29
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	3	2.29
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	3	2.29
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	3	2.29
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	1	2.28
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	1	2.28
(1,1130)	1:80:C:GLU:C	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	7	2.28
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	2	2.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	2	2.28
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	2	2.27
(1,1135)	1:80:A:GLU:C	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	7	2.27
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	2	2.27
(1,2254)	1:137:C:GLU:N	1:137:C:GLU:CA	1:137:C:GLU:C	1:138:C:LEU:N	1	2.26
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	1	2.26
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	1	2.26
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	2	2.26
(1,1138)	1:80:E:GLU:C	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	7	2.26
(1,1132)	1:80:G:GLU:C	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	7	2.26
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	2	2.26
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	2	2.26
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	3	2.26
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	1	2.25
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	2	2.25
(1,1140)	1:80:H:GLU:C	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	7	2.25
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	2	2.25
(1,2253)	1:137:H:GLU:N	1:137:H:GLU:CA	1:137:H:GLU:C	1:138:H:LEU:N	1	2.24
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	2	2.24
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	2	2.24
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	2	2.24
(1,2255)	1:137:K:GLU:N	1:137:K:GLU:CA	1:137:K:GLU:C	1:138:K:LEU:N	1	2.23
(1,2249)	1:137:F:GLU:N	1:137:F:GLU:CA	1:137:F:GLU:C	1:138:F:LEU:N	1	2.23
(1,215)	1:15:C:PHE:N	1:15:C:PHE:CA	1:15:C:PHE:C	1:16:C:GLN:N	7	2.23
(1,2250)	1:137:B:GLU:N	1:137:B:GLU:CA	1:137:B:GLU:C	1:138:B:LEU:N	1	2.22
(1,1926)	1:118:D:TYR:C	1:119:D:SER:N	1:119:D:SER:CA	1:119:D:SER:C	5	2.22
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	2	2.22
(1,1137)	1:80:L:GLU:C	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	7	2.22
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	2	2.22
(1,2251)	1:137:G:GLU:N	1:137:G:GLU:CA	1:137:G:GLU:C	1:138:G:LEU:N	1	2.21
(1,2247)	1:137:A:GLU:N	1:137:A:GLU:CA	1:137:A:GLU:C	1:138:A:LEU:N	1	2.21
(1,2245)	1:137:J:GLU:N	1:137:J:GLU:CA	1:137:J:GLU:C	1:138:J:LEU:N	1	2.21
(1,263)	1:17:F:SER:N	1:17:F:SER:CA	1:17:F:SER:C	1:18:F:ILE:N	9	2.21
(1,2256)	1:137:L:GLU:N	1:137:L:GLU:CA	1:137:L:GLU:C	1:138:L:LEU:N	1	2.2
(1,2248)	1:137:E:GLU:N	1:137:E:GLU:CA	1:137:E:GLU:C	1:138:E:LEU:N	1	2.2
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	2	2.2
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	2	2.2
(1,213)	1:15:I:PHE:N	1:15:I:PHE:CA	1:15:I:PHE:C	1:16:I:GLN:N	7	2.2
(1,207)	1:15:L:PHE:N	1:15:L:PHE:CA	1:15:L:PHE:C	1:16:L:GLN:N	7	2.2
(1,206)	1:15:E:PHE:N	1:15:E:PHE:CA	1:15:E:PHE:C	1:16:E:GLN:N	7	2.2
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	10	2.19
(1,1929)	1:118:B:TYR:C	1:119:B:SER:N	1:119:B:SER:CA	1:119:B:SER:C	5	2.19
(1,1927)	1:118:I:TYR:C	1:119:I:SER:N	1:119:I:SER:CA	1:119:I:SER:C	5	2.19
(1,1923)	1:118:A:TYR:C	1:119:A:SER:N	1:119:A:SER:CA	1:119:A:SER:C	5	2.19
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	2	2.19
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	2	2.19
(1,258)	1:17:L:SER:N	1:17:L:SER:CA	1:17:L:SER:C	1:18:L:ILE:N	9	2.19
(1,216)	1:15:D:PHE:N	1:15:D:PHE:CA	1:15:D:PHE:C	1:16:D:GLN:N	7	2.19
(1,214)	1:15:F:PHE:N	1:15:F:PHE:CA	1:15:F:PHE:C	1:16:F:GLN:N	7	2.19
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	2	2.18
(1,262)	1:17:B:SER:N	1:17:B:SER:CA	1:17:B:SER:C	1:18:B:ILE:N	9	2.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,261)	1:17:I:SER:N	1:17:I:SER:CA	1:17:I:SER:C	1:18:I:ILE:N	9	2.18
(1,260)	1:17:H:SER:N	1:17:H:SER:CA	1:17:H:SER:C	1:18:H:ILE:N	9	2.18
(1,253)	1:17:A:SER:N	1:17:A:SER:CA	1:17:A:SER:C	1:18:A:ILE:N	9	2.18
(1,210)	1:15:J:PHE:N	1:15:J:PHE:CA	1:15:J:PHE:C	1:16:J:GLN:N	7	2.18
(1,209)	1:15:H:PHE:N	1:15:H:PHE:CA	1:15:H:PHE:C	1:16:H:GLN:N	7	2.18
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	10	2.17
(1,1952)	1:121:B:GLY:C	1:122:B:VAL:N	1:122:B:VAL:CA	1:122:B:VAL:C	4	2.17
(1,1924)	1:118:L:TYR:C	1:119:L:SER:N	1:119:L:SER:CA	1:119:L:SER:C	5	2.17
(1,1154)	1:81:I:ASP:C	1:82:I:ALA:N	1:82:I:ALA:CA	1:82:I:ALA:C	3	2.17
(1,212)	1:15:G:PHE:N	1:15:G:PHE:CA	1:15:G:PHE:C	1:16:G:GLN:N	7	2.17
(1,211)	1:15:B:PHE:N	1:15:B:PHE:CA	1:15:B:PHE:C	1:16:B:GLN:N	7	2.17
(1,205)	1:15:K:PHE:N	1:15:K:PHE:CA	1:15:K:PHE:C	1:16:K:GLN:N	7	2.17
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	10	2.16
(1,2252)	1:137:I:GLU:N	1:137:I:GLU:CA	1:137:I:GLU:C	1:138:I:LEU:N	1	2.16
(1,1931)	1:118:F:TYR:C	1:119:F:SER:N	1:119:F:SER:CA	1:119:F:SER:C	5	2.16
(1,1930)	1:118:C:TYR:C	1:119:C:SER:N	1:119:C:SER:CA	1:119:C:SER:C	5	2.16
(1,1928)	1:118:G:TYR:C	1:119:G:SER:N	1:119:G:SER:CA	1:119:G:SER:C	5	2.16
(1,1925)	1:118:E:TYR:C	1:119:E:SER:N	1:119:E:SER:CA	1:119:E:SER:C	5	2.16
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	2	2.16
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	2	2.16
(1,257)	1:17:C:SER:N	1:17:C:SER:CA	1:17:C:SER:C	1:18:C:ILE:N	9	2.16
(1,208)	1:15:A:PHE:N	1:15:A:PHE:CA	1:15:A:PHE:C	1:16:A:GLN:N	7	2.16
(1,4)	1:5:G:PRO:C	1:6:G:ILE:N	1:6:G:ILE:CA	1:6:G:ILE:C	7	2.16
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	10	2.15
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	10	2.15
(1,2246)	1:137:D:GLU:N	1:137:D:GLU:CA	1:137:D:GLU:C	1:138:D:LEU:N	1	2.15
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	6	2.15
(1,1922)	1:118:K:TYR:C	1:119:K:SER:N	1:119:K:SER:CA	1:119:K:SER:C	5	2.15
(1,1164)	1:81:J:ASP:C	1:82:J:ALA:N	1:82:J:ALA:CA	1:82:J:ALA:C	3	2.15
(1,1162)	1:81:C:ASP:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	3	2.15
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	2	2.15
(1,8)	1:5:E:PRO:C	1:6:E:ILE:N	1:6:E:ILE:CA	1:6:E:ILE:C	7	2.15
(1,6)	1:5:H:PRO:C	1:6:H:ILE:N	1:6:H:ILE:CA	1:6:H:ILE:C	7	2.15
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	10	2.14
(1,2611)	1:154:D:SER:N	1:154:D:SER:CA	1:154:D:SER:C	1:155:D:LYS:N	6	2.14
(1,1954)	1:121:G:GLY:C	1:122:G:VAL:N	1:122:G:VAL:CA	1:122:G:VAL:C	4	2.14
(1,1950)	1:121:L:GLY:C	1:122:L:VAL:N	1:122:L:VAL:CA	1:122:L:VAL:C	4	2.14
(1,264)	1:17:E:SER:N	1:17:E:SER:CA	1:17:E:SER:C	1:18:E:ILE:N	9	2.14
(1,255)	1:17:J:SER:N	1:17:J:SER:CA	1:17:J:SER:C	1:18:J:ILE:N	9	2.14
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	10	2.13
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	6	2.13
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	6	2.13
(1,1955)	1:121:F:GLY:C	1:122:F:VAL:N	1:122:F:VAL:CA	1:122:F:VAL:C	4	2.13
(1,1160)	1:81:G:ASP:C	1:82:G:ALA:N	1:82:G:ALA:CA	1:82:G:ALA:C	3	2.13
(1,994)	1:74:I:ALA:C	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	5	2.13
(1,993)	1:74:B:ALA:C	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	5	2.13
(1,992)	1:74:H:ALA:C	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	5	2.13
(1,985)	1:74:G:ALA:C	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	5	2.13
(1,265)	1:17:D:SER:C	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	3	2.13
(1,256)	1:17:K:SER:N	1:17:K:SER:CA	1:17:K:SER:C	1:18:K:ILE:N	9	2.13
(1,254)	1:17:D:SER:N	1:17:D:SER:CA	1:17:D:SER:C	1:18:D:ILE:N	9	2.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,7)	1:5:J:PRO:C	1:6:J:ILE:N	1:6:J:ILE:CA	1:6:J:ILE:C	7	2.13
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	10	2.12
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	10	2.12
(1,2714)	1:163:D:PRO:C	1:164:D:GLY:N	1:164:D:GLY:CA	1:164:D:GLY:C	9	2.12
(1,2616)	1:154:B:SER:N	1:154:B:SER:CA	1:154:B:SER:C	1:155:B:LYS:N	6	2.12
(1,2613)	1:154:E:SER:N	1:154:E:SER:CA	1:154:E:SER:C	1:155:E:LYS:N	6	2.12
(1,2606)	1:154:I:SER:N	1:154:I:SER:CA	1:154:I:SER:C	1:155:I:LYS:N	6	2.12
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	6	2.12
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	6	2.12
(1,1932)	1:118:J:TYR:C	1:119:J:SER:N	1:119:J:SER:CA	1:119:J:SER:C	5	2.12
(1,990)	1:74:C:ALA:C	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	5	2.12
(1,987)	1:74:D:ALA:C	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	5	2.12
(1,271)	1:17:H:SER:C	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	3	2.12
(1,259)	1:17:G:SER:N	1:17:G:SER:CA	1:17:G:SER:C	1:18:G:ILE:N	9	2.12
(1,1)	1:5:C:PRO:C	1:6:C:ILE:N	1:6:C:ILE:CA	1:6:C:ILE:C	7	2.12
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	10	2.11
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	6	2.11
(1,1948)	1:121:K:GLY:C	1:122:K:VAL:N	1:122:K:VAL:CA	1:122:K:VAL:C	4	2.11
(1,1946)	1:121:D:GLY:C	1:122:D:VAL:N	1:122:D:VAL:CA	1:122:D:VAL:C	4	2.11
(1,1921)	1:118:H:TYR:C	1:119:H:SER:N	1:119:H:SER:CA	1:119:H:SER:C	5	2.11
(1,1158)	1:81:E:ASP:C	1:82:E:ALA:N	1:82:E:ALA:CA	1:82:E:ALA:C	3	2.11
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	2	2.11
(1,266)	1:17:C:SER:C	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	3	2.11
(1,12)	1:5:D:PRO:C	1:6:D:ILE:N	1:6:D:ILE:CA	1:6:D:ILE:C	7	2.11
(1,9)	1:5:A:PRO:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	7	2.11
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	10	2.1
(1,2615)	1:154:A:SER:N	1:154:A:SER:CA	1:154:A:SER:C	1:155:A:LYS:N	6	2.1
(1,2614)	1:154:F:SER:N	1:154:F:SER:CA	1:154:F:SER:C	1:155:F:LYS:N	6	2.1
(1,2609)	1:154:K:SER:N	1:154:K:SER:CA	1:154:K:SER:C	1:155:K:LYS:N	6	2.1
(1,2607)	1:154:G:SER:N	1:154:G:SER:CA	1:154:G:SER:C	1:155:G:LYS:N	6	2.1
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	6	2.1
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	2	2.1
(1,1157)	1:81:L:ASP:C	1:82:L:ALA:N	1:82:L:ALA:CA	1:82:L:ALA:C	3	2.1
(1,1155)	1:81:A:ASP:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	3	2.1
(1,275)	1:17:K:SER:C	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	3	2.1
(1,268)	1:17:B:SER:C	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	3	2.1
(1,11)	1:5:K:PRO:C	1:6:K:ILE:N	1:6:K:ILE:CA	1:6:K:ILE:C	7	2.1
(1,5)	1:5:I:PRO:C	1:6:I:ILE:N	1:6:I:ILE:CA	1:6:I:ILE:C	7	2.1
(1,3)	1:5:B:PRO:C	1:6:B:ILE:N	1:6:B:ILE:CA	1:6:B:ILE:C	7	2.1
(1,2)	1:5:F:PRO:C	1:6:F:ILE:N	1:6:F:ILE:CA	1:6:F:ILE:C	7	2.1
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	10	2.09
(1,2610)	1:154:L:SER:N	1:154:L:SER:CA	1:154:L:SER:C	1:155:L:LYS:N	6	2.09
(1,2605)	1:154:H:SER:N	1:154:H:SER:CA	1:154:H:SER:C	1:155:H:LYS:N	6	2.09
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	6	2.09
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	2	2.09
(1,986)	1:74:A:ALA:C	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	5	2.09
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	2	2.09
(1,270)	1:17:I:SER:C	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	3	2.09
(1,267)	1:17:F:SER:C	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	3	2.09
(1,2612)	1:154:J:SER:N	1:154:J:SER:CA	1:154:J:SER:C	1:155:J:LYS:N	6	2.08
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	6	2.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1953)	1:121:I:GLY:C	1:122:I:VAL:N	1:122:I:VAL:CA	1:122:I:VAL:C	4	2.08
(1,1951)	1:121:H:GLY:C	1:122:H:VAL:N	1:122:H:VAL:CA	1:122:H:VAL:C	4	2.08
(1,1949)	1:121:C:GLY:C	1:122:C:VAL:N	1:122:C:VAL:CA	1:122:C:VAL:C	4	2.08
(1,995)	1:74:F:ALA:C	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	5	2.08
(1,991)	1:74:L:ALA:C	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	5	2.08
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	2	2.08
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	2	2.08
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	2	2.08
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	2	2.08
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	2	2.08
(1,272)	1:17:J:SER:C	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	3	2.08
(1,269)	1:17:G:SER:C	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	3	2.08
(1,2715)	1:163:A:PRO:C	1:164:A:GLY:N	1:164:A:GLY:CA	1:164:A:GLY:C	9	2.07
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	6	2.07
(1,1161)	1:81:B:ASP:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	3	2.07
(1,1156)	1:81:K:ASP:C	1:82:K:ALA:N	1:82:K:ALA:CA	1:82:K:ALA:C	3	2.07
(1,988)	1:74:J:ALA:C	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	5	2.07
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	2	2.07
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	2	2.07
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	2	2.07
(1,276)	1:17:L:SER:C	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	3	2.07
(1,273)	1:17:A:SER:C	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	3	2.07
(1,2720)	1:163:I:PRO:C	1:164:I:GLY:N	1:164:I:GLY:CA	1:164:I:GLY:C	9	2.06
(1,2719)	1:163:G:PRO:C	1:164:G:GLY:N	1:164:G:GLY:CA	1:164:G:GLY:C	9	2.06
(1,2608)	1:154:C:SER:N	1:154:C:SER:CA	1:154:C:SER:C	1:155:C:LYS:N	6	2.06
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	6	2.06
(1,1947)	1:121:J:GLY:C	1:122:J:VAL:N	1:122:J:VAL:CA	1:122:J:VAL:C	4	2.06
(1,1163)	1:81:F:ASP:C	1:82:F:ALA:N	1:82:F:ALA:CA	1:82:F:ALA:C	3	2.06
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	2	2.06
(1,2722)	1:163:L:PRO:C	1:164:L:GLY:N	1:164:L:GLY:CA	1:164:L:GLY:C	9	2.05
(1,2713)	1:163:J:PRO:C	1:164:J:GLY:N	1:164:J:GLY:CA	1:164:J:GLY:C	9	2.05
(1,1945)	1:121:A:GLY:C	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	4	2.05
(1,1730)	1:110:L:PHE:C	1:111:L:ALA:N	1:111:L:ALA:CA	1:111:L:ALA:C	1	2.05
(1,1153)	1:81:H:ASP:C	1:82:H:ALA:N	1:82:H:ALA:CA	1:82:H:ALA:C	3	2.05
(1,1078)	1:78:B:ALA:N	1:78:B:ALA:CA	1:78:B:ALA:C	1:79:B:ILE:N	2	2.05
(1,1077)	1:78:J:ALA:N	1:78:J:ALA:CA	1:78:J:ALA:C	1:79:J:ILE:N	2	2.05
(1,1071)	1:78:G:ALA:N	1:78:G:ALA:CA	1:78:G:ALA:C	1:79:G:ILE:N	2	2.05
(1,989)	1:74:K:ALA:C	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	5	2.05
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	2	2.05
(1,274)	1:17:E:SER:C	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	3	2.05
(1,10)	1:5:L:PRO:C	1:6:L:ILE:N	1:6:L:ILE:CA	1:6:L:ILE:C	7	2.05
(1,2717)	1:163:F:PRO:C	1:164:F:GLY:N	1:164:F:GLY:CA	1:164:F:GLY:C	9	2.04
(1,2088)	1:129:C:SER:N	1:129:C:SER:CA	1:129:C:SER:C	1:130:C:ILE:N	4	2.04
(1,1736)	1:110:B:PHE:C	1:111:B:ALA:N	1:111:B:ALA:CA	1:111:B:ALA:C	1	2.04
(1,2724)	1:163:K:PRO:C	1:164:K:GLY:N	1:164:K:GLY:CA	1:164:K:GLY:C	9	2.03
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	6	2.03
(1,2081)	1:129:F:SER:N	1:129:F:SER:CA	1:129:F:SER:C	1:130:F:ILE:N	4	2.03
(1,1740)	1:110:C:PHE:C	1:111:C:ALA:N	1:111:C:ALA:CA	1:111:C:ALA:C	1	2.03
(1,1731)	1:110:D:PHE:C	1:111:D:ALA:N	1:111:D:ALA:CA	1:111:D:ALA:C	1	2.03
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	2	2.03
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	2	2.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1073)	1:78:C:ALA:N	1:78:C:ALA:CA	1:78:C:ALA:C	1:79:C:ILE:N	2	2.03
(1,1072)	1:78:I:ALA:N	1:78:I:ALA:CA	1:78:I:ALA:C	1:79:I:ILE:N	2	2.03
(1,996)	1:74:E:ALA:C	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	5	2.03
(1,2718)	1:163:B:PRO:C	1:164:B:GLY:N	1:164:B:GLY:CA	1:164:B:GLY:C	9	2.02
(1,2172)	1:132:K:LEU:C	1:133:K:GLN:N	1:133:K:GLN:CA	1:133:K:GLN:C	3	2.02
(1,2170)	1:132:H:LEU:C	1:133:H:GLN:N	1:133:H:GLN:CA	1:133:H:GLN:C	3	2.02
(1,2084)	1:129:A:SER:N	1:129:A:SER:CA	1:129:A:SER:C	1:130:A:ILE:N	4	2.02
(1,2078)	1:129:B:SER:N	1:129:B:SER:CA	1:129:B:SER:C	1:130:B:ILE:N	4	2.02
(1,1738)	1:110:I:PHE:C	1:111:I:ALA:N	1:111:I:ALA:CA	1:111:I:ALA:C	1	2.02
(1,1729)	1:110:K:PHE:C	1:111:K:ALA:N	1:111:K:ALA:CA	1:111:K:ALA:C	1	2.02
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	2	2.02
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	2	2.02
(1,1159)	1:81:D:ASP:C	1:82:D:ALA:N	1:82:D:ALA:CA	1:82:D:ALA:C	3	2.02
(1,1075)	1:78:L:ALA:N	1:78:L:ALA:CA	1:78:L:ALA:C	1:79:L:ILE:N	2	2.02
(1,1069)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ILE:N	2	2.02
(1,2165)	1:132:E:LEU:C	1:133:E:GLN:N	1:133:E:GLN:CA	1:133:E:GLN:C	3	2.01
(1,2161)	1:132:D:LEU:C	1:133:D:GLN:N	1:133:D:GLN:CA	1:133:D:GLN:C	3	2.01
(1,2079)	1:129:G:SER:N	1:129:G:SER:CA	1:129:G:SER:C	1:130:G:ILE:N	4	2.01
(1,1956)	1:121:E:GLY:C	1:122:E:VAL:N	1:122:E:VAL:CA	1:122:E:VAL:C	4	2.01
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	2	2.01
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	2	2.01
(1,1076)	1:78:D:ALA:N	1:78:D:ALA:CA	1:78:D:ALA:C	1:79:D:ILE:N	2	2.01
(1,2167)	1:132:F:LEU:C	1:133:F:GLN:N	1:133:F:GLN:CA	1:133:F:GLN:C	3	2.0
(1,2087)	1:129:K:SER:N	1:129:K:SER:CA	1:129:K:SER:C	1:130:K:ILE:N	4	2.0
(1,2083)	1:129:L:SER:N	1:129:L:SER:CA	1:129:L:SER:C	1:130:L:ILE:N	4	2.0
(1,2080)	1:129:I:SER:N	1:129:I:SER:CA	1:129:I:SER:C	1:130:I:ILE:N	4	2.0
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	2	2.0
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	2	2.0
(1,1080)	1:78:F:ALA:N	1:78:F:ALA:CA	1:78:F:ALA:C	1:79:F:ILE:N	2	2.0
(1,1074)	1:78:K:ALA:N	1:78:K:ALA:CA	1:78:K:ALA:C	1:79:K:ILE:N	2	2.0
(1,2169)	1:132:A:LEU:C	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	3	1.99
(1,2166)	1:132:G:LEU:C	1:133:G:GLN:N	1:133:G:GLN:CA	1:133:G:GLN:C	3	1.99
(1,2085)	1:129:D:SER:N	1:129:D:SER:CA	1:129:D:SER:C	1:130:D:ILE:N	4	1.99
(1,2077)	1:129:H:SER:N	1:129:H:SER:CA	1:129:H:SER:C	1:130:H:ILE:N	4	1.99
(1,1733)	1:110:E:PHE:C	1:111:E:ALA:N	1:111:E:ALA:CA	1:111:E:ALA:C	1	1.99
(1,1079)	1:78:E:ALA:N	1:78:E:ALA:CA	1:78:E:ALA:C	1:79:E:ILE:N	2	1.99
(1,1070)	1:78:H:ALA:N	1:78:H:ALA:CA	1:78:H:ALA:C	1:79:H:ILE:N	2	1.99
(1,970)	1:73:I:ASP:C	1:74:I:ALA:N	1:74:I:ALA:CA	1:74:I:ALA:C	2	1.99
(1,2164)	1:132:B:LEU:C	1:133:B:GLN:N	1:133:B:GLN:CA	1:133:B:GLN:C	3	1.98
(1,2082)	1:129:E:SER:N	1:129:E:SER:CA	1:129:E:SER:C	1:130:E:ILE:N	4	1.98
(1,1739)	1:110:H:PHE:C	1:111:H:ALA:N	1:111:H:ALA:CA	1:111:H:ALA:C	1	1.98
(1,1734)	1:110:F:PHE:C	1:111:F:ALA:N	1:111:F:ALA:CA	1:111:F:ALA:C	1	1.98
(1,1436)	1:93:B:ARG:N	1:93:B:ARG:CA	1:93:B:ARG:C	1:94:B:VAL:N	9	1.98
(1,963)	1:73:D:ASP:C	1:74:D:ALA:N	1:74:D:ALA:CA	1:74:D:ALA:C	2	1.98
(1,2716)	1:163:E:PRO:C	1:164:E:GLY:N	1:164:E:GLY:CA	1:164:E:GLY:C	9	1.97
(1,2163)	1:132:J:LEU:C	1:133:J:GLN:N	1:133:J:GLN:CA	1:133:J:GLN:C	3	1.97
(1,2086)	1:129:J:SER:N	1:129:J:SER:CA	1:129:J:SER:C	1:130:J:ILE:N	4	1.97
(1,1737)	1:110:G:PHE:C	1:111:G:ALA:N	1:111:G:ALA:CA	1:111:G:ALA:C	1	1.97
(1,1732)	1:110:J:PHE:C	1:111:J:ALA:N	1:111:J:ALA:CA	1:111:J:ALA:C	1	1.97
(1,1432)	1:93:J:ARG:N	1:93:J:ARG:CA	1:93:J:ARG:C	1:94:J:VAL:N	9	1.97
(1,2721)	1:163:H:PRO:C	1:164:H:GLY:N	1:164:H:GLY:CA	1:164:H:GLY:C	9	1.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2171)	1:132:C:LEU:C	1:133:C:GLN:N	1:133:C:GLN:CA	1:133:C:GLN:C	3	1.96
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	2	1.96
(1,969)	1:73:F:ASP:C	1:74:F:ALA:N	1:74:F:ALA:CA	1:74:F:ALA:C	2	1.96
(1,961)	1:73:C:ASP:C	1:74:C:ALA:N	1:74:C:ALA:CA	1:74:C:ALA:C	2	1.96
(1,2723)	1:163:C:PRO:C	1:164:C:GLY:N	1:164:C:GLY:CA	1:164:C:GLY:C	9	1.95
(1,1735)	1:110:A:PHE:C	1:111:A:ALA:N	1:111:A:ALA:CA	1:111:A:ALA:C	1	1.95
(1,1437)	1:93:G:ARG:N	1:93:G:ARG:CA	1:93:G:ARG:C	1:94:G:VAL:N	9	1.95
(1,1431)	1:93:D:ARG:N	1:93:D:ARG:CA	1:93:D:ARG:C	1:94:D:VAL:N	9	1.95
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	2	1.95
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	4	1.94
(1,2168)	1:132:I:LEU:C	1:133:I:GLN:N	1:133:I:GLN:CA	1:133:I:GLN:C	3	1.94
(1,1438)	1:93:I:ARG:N	1:93:I:ARG:CA	1:93:I:ARG:C	1:94:I:VAL:N	9	1.94
(1,1430)	1:93:L:ARG:N	1:93:L:ARG:CA	1:93:L:ARG:C	1:94:L:VAL:N	9	1.94
(1,971)	1:73:H:ASP:C	1:74:H:ALA:N	1:74:H:ALA:CA	1:74:H:ALA:C	2	1.94
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	9	1.94
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	9	1.94
(1,2162)	1:132:L:LEU:C	1:133:L:GLN:N	1:133:L:GLN:CA	1:133:L:GLN:C	3	1.93
(1,1400)	1:91:C:PHE:C	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	3	1.93
(1,1134)	1:80:D:GLU:C	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	3	1.93
(1,1132)	1:80:G:GLU:C	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	3	1.93
(1,1070)	1:78:H:ALA:N	1:78:H:ALA:CA	1:78:H:ALA:C	1:79:H:ILE:N	1	1.93
(1,966)	1:73:B:ASP:C	1:74:B:ALA:N	1:74:B:ALA:CA	1:74:B:ALA:C	2	1.93
(1,965)	1:73:A:ASP:C	1:74:A:ALA:N	1:74:A:ALA:CA	1:74:A:ALA:C	2	1.93
(1,1439)	1:93:H:ARG:N	1:93:H:ARG:CA	1:93:H:ARG:C	1:94:H:VAL:N	9	1.92
(1,1429)	1:93:K:ARG:N	1:93:K:ARG:CA	1:93:K:ARG:C	1:94:K:VAL:N	9	1.92
(1,962)	1:73:L:ASP:C	1:74:L:ALA:N	1:74:L:ALA:CA	1:74:L:ALA:C	2	1.92
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	4	1.91
(1,2150)	1:132:A:LEU:N	1:132:A:LEU:CA	1:132:A:LEU:C	1:133:A:GLN:N	10	1.91
(1,1440)	1:93:C:ARG:N	1:93:C:ARG:CA	1:93:C:ARG:C	1:94:C:VAL:N	9	1.91
(1,1399)	1:91:L:PHE:C	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	3	1.91
(1,1076)	1:78:D:ALA:N	1:78:D:ALA:CA	1:78:D:ALA:C	1:79:D:ILE:N	1	1.91
(1,972)	1:73:K:ASP:C	1:74:K:ALA:N	1:74:K:ALA:CA	1:74:K:ALA:C	2	1.91
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	9	1.91
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	4	1.9
(1,1434)	1:93:F:ARG:N	1:93:F:ARG:CA	1:93:F:ARG:C	1:94:F:VAL:N	9	1.9
(1,1433)	1:93:E:ARG:N	1:93:E:ARG:CA	1:93:E:ARG:C	1:94:E:VAL:N	9	1.9
(1,1136)	1:80:K:GLU:C	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	3	1.9
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	9	1.9
(1,2879)	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	1:175:B:PRO:N	10	1.89
(1,2796)	1:169:L:GLU:C	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	9	1.89
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	4	1.89
(1,2219)	1:134:I:VAL:C	1:135:I:ILE:N	1:135:I:ILE:CA	1:135:I:ILE:C	1	1.89
(1,1435)	1:93:A:ARG:N	1:93:A:ARG:CA	1:93:A:ARG:C	1:94:A:VAL:N	9	1.89
(1,1403)	1:91:B:PHE:C	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	3	1.89
(1,1135)	1:80:A:GLU:C	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	3	1.89
(1,1079)	1:78:E:ALA:N	1:78:E:ALA:CA	1:78:E:ALA:C	1:79:E:ILE:N	1	1.89
(1,1077)	1:78:J:ALA:N	1:78:J:ALA:CA	1:78:J:ALA:C	1:79:J:ILE:N	1	1.89
(1,1069)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ILE:N	1	1.89
(1,967)	1:73:E:ASP:C	1:74:E:ALA:N	1:74:E:ALA:CA	1:74:E:ALA:C	2	1.89
(1,964)	1:73:J:ASP:C	1:74:J:ALA:N	1:74:J:ALA:CA	1:74:J:ALA:C	2	1.89
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	9	1.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	4	1.88
(1,2160)	1:132:B:LEU:N	1:132:B:LEU:CA	1:132:B:LEU:C	1:133:B:GLN:N	10	1.88
(1,1080)	1:78:F:ALA:N	1:78:F:ALA:CA	1:78:F:ALA:C	1:79:F:ILE:N	1	1.88
(1,968)	1:73:G:ASP:C	1:74:G:ALA:N	1:74:G:ALA:CA	1:74:G:ALA:C	2	1.88
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	9	1.88
(1,2788)	1:169:A:GLU:C	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	9	1.87
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	4	1.87
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	4	1.87
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	4	1.87
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	4	1.87
(1,2217)	1:134:G:VAL:C	1:135:G:ILE:N	1:135:G:ILE:CA	1:135:G:ILE:C	1	1.87
(1,2153)	1:132:I:LEU:N	1:132:I:LEU:CA	1:132:I:LEU:C	1:133:I:GLN:N	10	1.87
(1,1401)	1:91:G:PHE:C	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	3	1.87
(1,1395)	1:91:I:PHE:C	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	3	1.87
(1,1394)	1:91:E:PHE:C	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	3	1.87
(1,1242)	1:85:F:ASN:N	1:85:F:ASN:CA	1:85:F:ASN:C	1:86:F:GLY:N	4	1.87
(1,1140)	1:80:H:GLU:C	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	3	1.87
(1,1139)	1:80:J:GLU:C	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	3	1.87
(1,1137)	1:80:L:GLU:C	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	3	1.87
(1,1129)	1:80:F:GLU:C	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	3	1.87
(1,1073)	1:78:C:ALA:N	1:78:C:ALA:CA	1:78:C:ALA:C	1:79:C:ILE:N	1	1.87
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	9	1.87
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	9	1.87
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	9	1.87
(1,2875)	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	1:175:L:PRO:N	10	1.86
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	4	1.86
(1,2156)	1:132:G:LEU:N	1:132:G:LEU:CA	1:132:G:LEU:C	1:133:G:GLN:N	10	1.86
(1,1138)	1:80:E:GLU:C	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	3	1.86
(1,1131)	1:80:B:GLU:C	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	3	1.86
(1,1130)	1:80:C:GLU:C	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	3	1.86
(1,1078)	1:78:B:ALA:N	1:78:B:ALA:CA	1:78:B:ALA:C	1:79:B:ILE:N	1	1.86
(1,1074)	1:78:K:ALA:N	1:78:K:ALA:CA	1:78:K:ALA:C	1:79:K:ILE:N	1	1.86
(1,1071)	1:78:G:ALA:N	1:78:G:ALA:CA	1:78:G:ALA:C	1:79:G:ILE:N	1	1.86
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	9	1.86
(1,2876)	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	1:175:C:PRO:N	10	1.85
(1,2873)	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	1:175:K:PRO:N	10	1.85
(1,2794)	1:169:H:GLU:C	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	9	1.85
(1,2785)	1:169:C:GLU:C	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	9	1.85
(1,2214)	1:134:L:VAL:C	1:135:L:ILE:N	1:135:L:ILE:CA	1:135:L:ILE:C	1	1.85
(1,2157)	1:132:H:LEU:N	1:132:H:LEU:CA	1:132:H:LEU:C	1:133:H:GLN:N	10	1.85
(1,2155)	1:132:J:LEU:N	1:132:J:LEU:CA	1:132:J:LEU:C	1:133:J:GLN:N	10	1.85
(1,2152)	1:132:L:LEU:N	1:132:L:LEU:CA	1:132:L:LEU:C	1:133:L:GLN:N	10	1.85
(1,1402)	1:91:H:PHE:C	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	3	1.85
(1,1397)	1:91:D:PHE:C	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	3	1.85
(1,1244)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:GLY:N	4	1.85
(1,1240)	1:85:G:ASN:N	1:85:G:ASN:CA	1:85:G:ASN:C	1:86:G:GLY:N	4	1.85
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	9	1.85
(1,2870)	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	1:175:E:PRO:N	10	1.84
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	4	1.84
(1,2218)	1:134:F:VAL:C	1:135:F:ILE:N	1:135:F:ILE:CA	1:135:F:ILE:C	1	1.84
(1,2149)	1:132:D:LEU:N	1:132:D:LEU:CA	1:132:D:LEU:C	1:133:D:GLN:N	10	1.84

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1404)	1:91:A:PHE:C	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	3	1.84
(1,1398)	1:91:K:PHE:C	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	3	1.84
(1,1247)	1:85:K:ASN:N	1:85:K:ASN:CA	1:85:K:ASN:C	1:86:K:GLY:N	4	1.84
(1,1239)	1:85:B:ASN:N	1:85:B:ASN:CA	1:85:B:ASN:C	1:86:B:GLY:N	4	1.84
(1,1133)	1:80:I:GLU:C	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	3	1.84
(1,1075)	1:78:L:ALA:N	1:78:L:ALA:CA	1:78:L:ALA:C	1:79:L:ILE:N	1	1.84
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	10	1.84
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	9	1.84
(1,2877)	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	1:175:H:PRO:N	10	1.83
(1,2872)	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	1:175:D:PRO:N	10	1.83
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	4	1.83
(1,2211)	1:134:K:VAL:C	1:135:K:ILE:N	1:135:K:ILE:CA	1:135:K:ILE:C	1	1.83
(1,1396)	1:91:J:PHE:C	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	3	1.83
(1,1245)	1:85:D:ASN:N	1:85:D:ASN:CA	1:85:D:ASN:C	1:86:D:GLY:N	4	1.83
(1,1243)	1:85:E:ASN:N	1:85:E:ASN:CA	1:85:E:ASN:C	1:86:E:GLY:N	4	1.83
(1,1072)	1:78:I:ALA:N	1:78:I:ALA:CA	1:78:I:ALA:C	1:79:I:ILE:N	1	1.83
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	10	1.83
(1,2869)	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	1:175:F:PRO:N	10	1.82
(1,2787)	1:169:J:GLU:C	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	9	1.82
(1,2220)	1:134:H:VAL:C	1:135:H:ILE:N	1:135:H:ILE:CA	1:135:H:ILE:C	1	1.82
(1,2216)	1:134:C:VAL:C	1:135:C:ILE:N	1:135:C:ILE:CA	1:135:C:ILE:C	1	1.82
(1,2209)	1:134:J:VAL:C	1:135:J:ILE:N	1:135:J:ILE:CA	1:135:J:ILE:C	1	1.82
(1,2158)	1:132:F:LEU:N	1:132:F:LEU:CA	1:132:F:LEU:C	1:133:F:GLN:N	10	1.82
(1,2151)	1:132:K:LEU:N	1:132:K:LEU:CA	1:132:K:LEU:C	1:133:K:GLN:N	10	1.82
(1,1241)	1:85:I:ASN:N	1:85:I:ASN:CA	1:85:I:ASN:C	1:86:I:GLY:N	4	1.82
(1,1093)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLU:N	6	1.82
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	10	1.82
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	10	1.82
(1,546)	1:38:D:SER:N	1:38:D:SER:CA	1:38:D:SER:C	1:39:D:GLY:N	8	1.82
(1,2790)	1:169:E:GLU:C	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	9	1.81
(1,2213)	1:134:D:VAL:C	1:135:D:ILE:N	1:135:D:ILE:CA	1:135:D:ILE:C	1	1.81
(1,2154)	1:132:E:LEU:N	1:132:E:LEU:CA	1:132:E:LEU:C	1:133:E:GLN:N	10	1.81
(1,1248)	1:85:C:ASN:N	1:85:C:ASN:CA	1:85:C:ASN:C	1:86:C:GLY:N	4	1.81
(1,1238)	1:85:H:ASN:N	1:85:H:ASN:CA	1:85:H:ASN:C	1:86:H:GLY:N	4	1.81
(1,2880)	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	1:175:A:PRO:N	10	1.8
(1,2212)	1:134:A:VAL:C	1:135:A:ILE:N	1:135:A:ILE:CA	1:135:A:ILE:C	1	1.8
(1,2159)	1:132:C:LEU:N	1:132:C:LEU:CA	1:132:C:LEU:C	1:133:C:GLN:N	10	1.8
(1,1393)	1:91:F:PHE:C	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	3	1.8
(1,1246)	1:85:J:ASN:N	1:85:J:ASN:CA	1:85:J:ASN:C	1:86:J:GLY:N	4	1.8
(1,1094)	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1:80:H:GLU:N	6	1.8
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	10	1.8
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	10	1.8
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	8	1.8
(1,547)	1:38:C:SER:N	1:38:C:SER:CA	1:38:C:SER:C	1:39:C:GLY:N	8	1.8
(1,543)	1:38:K:SER:N	1:38:K:SER:CA	1:38:K:SER:C	1:39:K:GLY:N	8	1.8
(1,2871)	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	1:175:J:PRO:N	10	1.79
(1,2789)	1:169:B:GLU:C	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	9	1.79
(1,1401)	1:91:G:PHE:C	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	6	1.79
(1,1103)	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1:80:I:GLU:N	6	1.79
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	10	1.79
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	8	1.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2878)	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	1:175:G:PRO:N	10	1.78
(1,2793)	1:169:I:GLU:C	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	9	1.78
(1,2792)	1:169:F:GLU:C	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	9	1.78
(1,2215)	1:134:B:VAL:C	1:135:B:ILE:N	1:135:B:ILE:CA	1:135:B:ILE:C	1	1.78
(1,1237)	1:85:L:ASN:N	1:85:L:ASN:CA	1:85:L:ASN:C	1:86:L:GLY:N	4	1.78
(1,1135)	1:80:A:GLU:C	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	8	1.78
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	10	1.78
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	10	1.78
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	10	1.78
(1,541)	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	1:39:A:GLY:N	8	1.78
(1,2874)	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	1:175:I:PRO:N	10	1.77
(1,2791)	1:169:G:GLU:C	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	9	1.77
(1,1139)	1:80:J:GLU:C	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	8	1.77
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	10	1.77
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	8	1.77
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	8	1.77
(1,552)	1:38:H:SER:N	1:38:H:SER:CA	1:38:H:SER:C	1:39:H:GLY:N	8	1.77
(1,551)	1:38:J:SER:N	1:38:J:SER:CA	1:38:J:SER:C	1:39:J:GLY:N	8	1.77
(1,2795)	1:169:K:GLU:C	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	9	1.76
(1,2210)	1:134:E:VAL:C	1:135:E:ILE:N	1:135:E:ILE:CA	1:135:E:ILE:C	1	1.76
(1,1140)	1:80:H:GLU:C	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	8	1.76
(1,1138)	1:80:E:GLU:C	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	8	1.76
(1,1096)	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1:80:K:GLU:N	6	1.76
(1,545)	1:38:G:SER:N	1:38:G:SER:CA	1:38:G:SER:C	1:39:G:GLY:N	8	1.76
(1,2863)	1:173:L:THR:C	1:174:L:VAL:N	1:174:L:VAL:CA	1:174:L:VAL:C	7	1.75
(1,1402)	1:91:H:PHE:C	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	6	1.75
(1,1394)	1:91:E:PHE:C	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	6	1.75
(1,1132)	1:80:G:GLU:C	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	8	1.75
(1,1130)	1:80:C:GLU:C	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	8	1.75
(1,1102)	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1:80:E:GLU:N	6	1.75
(1,1098)	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1:80:D:GLU:N	6	1.75
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	10	1.75
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	8	1.75
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	8	1.75
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	8	1.75
(1,542)	1:38:E:SER:N	1:38:E:SER:CA	1:38:E:SER:C	1:39:E:GLY:N	8	1.75
(1,2346)	1:142:C:GLU:N	1:142:C:GLU:CA	1:142:C:GLU:C	1:143:C:ILE:N	6	1.74
(1,1100)	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1:80:J:GLU:N	6	1.74
(1,1097)	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1:80:L:GLU:N	6	1.74
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	7	1.74
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	7	1.74
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	8	1.74
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	8	1.74
(1,550)	1:38:B:SER:N	1:38:B:SER:CA	1:38:B:SER:C	1:39:B:GLY:N	8	1.74
(1,548)	1:38:F:SER:N	1:38:F:SER:CA	1:38:F:SER:C	1:39:F:GLY:N	8	1.74
(1,544)	1:38:L:SER:N	1:38:L:SER:CA	1:38:L:SER:C	1:39:L:GLY:N	8	1.74
(1,1397)	1:91:D:PHE:C	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	6	1.73
(1,1136)	1:80:K:GLU:C	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	8	1.73
(1,1095)	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1:80:C:GLU:N	6	1.73
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	7	1.73
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	8	1.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,549)	1:38:I:SER:N	1:38:I:SER:CA	1:38:I:SER:C	1:39:I:GLY:N	8	1.73
(1,2351)	1:142:A:GLU:N	1:142:A:GLU:CA	1:142:A:GLU:C	1:143:A:ILE:N	6	1.72
(1,2349)	1:142:E:GLU:N	1:142:E:GLU:CA	1:142:E:GLU:C	1:143:E:ILE:N	6	1.72
(1,2345)	1:142:F:GLU:N	1:142:F:GLU:CA	1:142:F:GLU:C	1:143:F:ILE:N	6	1.72
(1,2344)	1:142:I:GLU:N	1:142:I:GLU:CA	1:142:I:GLU:C	1:143:I:ILE:N	6	1.72
(1,1404)	1:91:A:PHE:C	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	6	1.72
(1,1403)	1:91:B:PHE:C	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	6	1.72
(1,1395)	1:91:I:PHE:C	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	6	1.72
(1,1131)	1:80:B:GLU:C	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	8	1.72
(1,1104)	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1:80:F:GLU:N	6	1.72
(1,1091)	1:78:I:ALA:C	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1	1.72
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	7	1.72
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	7	1.72
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	7	1.72
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	8	1.72
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	3	1.72
(1,2786)	1:169:D:GLU:C	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	9	1.71
(1,1399)	1:91:L:PHE:C	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	6	1.71
(1,1396)	1:91:J:PHE:C	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	6	1.71
(1,1133)	1:80:I:GLU:C	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	8	1.71
(1,1101)	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1:80:B:GLU:N	6	1.71
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	8	1.71
(1,2348)	1:142:K:GLU:N	1:142:K:GLU:CA	1:142:K:GLU:C	1:143:K:ILE:N	6	1.7
(1,2343)	1:142:G:GLU:N	1:142:G:GLU:CA	1:142:G:GLU:C	1:143:G:ILE:N	6	1.7
(1,1453)	1:94:C:VAL:N	1:94:C:VAL:CA	1:94:C:VAL:C	1:95:C:ASP:N	3	1.7
(1,1401)	1:91:G:PHE:C	1:92:G:TRP:N	1:92:G:TRP:CA	1:92:G:TRP:C	8	1.7
(1,1134)	1:80:D:GLU:C	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	8	1.7
(1,120)	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1:12:A:LYS:N	10	1.7
(1,2864)	1:173:C:THR:C	1:174:C:VAL:N	1:174:C:VAL:CA	1:174:C:VAL:C	7	1.69
(1,2350)	1:142:L:GLU:N	1:142:L:GLU:CA	1:142:L:GLU:C	1:143:L:ILE:N	6	1.69
(1,2347)	1:142:D:GLU:N	1:142:D:GLU:CA	1:142:D:GLU:C	1:143:D:ILE:N	6	1.69
(1,2341)	1:142:J:GLU:N	1:142:J:GLU:CA	1:142:J:GLU:C	1:143:J:ILE:N	6	1.69
(1,1396)	1:91:J:PHE:C	1:92:J:TRP:N	1:92:J:TRP:CA	1:92:J:TRP:C	8	1.69
(1,1099)	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1:80:G:GLU:N	6	1.69
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1	1.69
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	3	1.69
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	3	1.69
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	3	1.69
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	3	1.69
(1,116)	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1:12:H:LYS:N	10	1.69
(1,2868)	1:173:A:THR:C	1:174:A:VAL:N	1:174:A:VAL:CA	1:174:A:VAL:C	7	1.68
(1,2866)	1:173:G:THR:C	1:174:G:VAL:N	1:174:G:VAL:CA	1:174:G:VAL:C	7	1.68
(1,2352)	1:142:H:GLU:N	1:142:H:GLU:CA	1:142:H:GLU:C	1:143:H:ILE:N	6	1.68
(1,1404)	1:91:A:PHE:C	1:92:A:TRP:N	1:92:A:TRP:CA	1:92:A:TRP:C	8	1.68
(1,1403)	1:91:B:PHE:C	1:92:B:TRP:N	1:92:B:TRP:CA	1:92:B:TRP:C	8	1.68
(1,1400)	1:91:C:PHE:C	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	6	1.68
(1,1393)	1:91:F:PHE:C	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	6	1.68
(1,1137)	1:80:L:GLU:C	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	8	1.68
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	7	1.68
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1	1.68
(1,1017)	1:75:G:GLY:C	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	4	1.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1014)	1:75:C:GLY:C	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	4	1.68
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	3	1.68
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	3	1.68
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	7	1.68
(1,119)	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1:12:B:LYS:N	10	1.68
(1,117)	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1:12:F:LYS:N	10	1.68
(1,2865)	1:173:H:THR:C	1:174:H:VAL:N	1:174:H:VAL:CA	1:174:H:VAL:C	7	1.67
(1,2342)	1:142:B:GLU:N	1:142:B:GLU:CA	1:142:B:GLU:C	1:143:B:ILE:N	6	1.67
(1,1399)	1:91:L:PHE:C	1:92:L:TRP:N	1:92:L:TRP:CA	1:92:L:TRP:C	8	1.67
(1,1129)	1:80:F:GLU:C	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	8	1.67
(1,1089)	1:78:B:ALA:C	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1	1.67
(1,1083)	1:78:C:ALA:C	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1	1.67
(1,1016)	1:75:B:GLY:C	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	4	1.67
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	3	1.67
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	7	1.67
(1,114)	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1:12:K:LYS:N	10	1.67
(1,2857)	1:173:F:THR:C	1:174:F:VAL:N	1:174:F:VAL:CA	1:174:F:VAL:C	7	1.66
(1,1458)	1:94:F:VAL:N	1:94:F:VAL:CA	1:94:F:VAL:C	1:95:F:ASP:N	3	1.66
(1,1457)	1:94:G:VAL:N	1:94:G:VAL:CA	1:94:G:VAL:C	1:95:G:ASP:N	3	1.66
(1,1402)	1:91:H:PHE:C	1:92:H:TRP:N	1:92:H:TRP:CA	1:92:H:TRP:C	8	1.66
(1,1398)	1:91:K:PHE:C	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	6	1.66
(1,1395)	1:91:I:PHE:C	1:92:I:TRP:N	1:92:I:TRP:CA	1:92:I:TRP:C	8	1.66
(1,1090)	1:78:E:ALA:C	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1	1.66
(1,1082)	1:78:H:ALA:C	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	7	1.66
(1,1015)	1:75:F:GLY:C	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	4	1.66
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	3	1.66
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	3	1.66
(1,380)	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	1:27:K:LEU:N	2	1.66
(1,375)	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	1:27:G:LEU:N	2	1.66
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	7	1.66
(1,118)	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1:12:E:LYS:N	10	1.66
(1,2858)	1:173:E:THR:C	1:174:E:VAL:N	1:174:E:VAL:CA	1:174:E:VAL:C	7	1.65
(1,1463)	1:94:D:VAL:N	1:94:D:VAL:CA	1:94:D:VAL:C	1:95:D:ASP:N	3	1.65
(1,1393)	1:91:F:PHE:C	1:92:F:TRP:N	1:92:F:TRP:CA	1:92:F:TRP:C	8	1.65
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1	1.65
(1,1084)	1:78:K:ALA:C	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	7	1.65
(1,1020)	1:75:J:GLY:C	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	4	1.65
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	3	1.65
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	3	1.65
(1,374)	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	1:27:B:LEU:N	2	1.65
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	7	1.65
(1,124)	1:11:L:VAL:C	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	3	1.65
(1,123)	1:11:A:VAL:C	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	3	1.65
(1,113)	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1:12:I:LYS:N	10	1.65
(1,112)	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1:12:C:LYS:N	10	1.65
(1,2860)	1:173:D:THR:C	1:174:D:VAL:N	1:174:D:VAL:CA	1:174:D:VAL:C	7	1.64
(1,2859)	1:173:J:THR:C	1:174:J:VAL:N	1:174:J:VAL:CA	1:174:J:VAL:C	7	1.64
(1,2834)	1:172:D:GLY:C	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	1	1.64
(1,1462)	1:94:J:VAL:N	1:94:J:VAL:CA	1:94:J:VAL:C	1:95:J:ASP:N	3	1.64
(1,1456)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:ASP:N	3	1.64
(1,1455)	1:94:B:VAL:N	1:94:B:VAL:CA	1:94:B:VAL:C	1:95:B:ASP:N	3	1.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1397)	1:91:D:PHE:C	1:92:D:TRP:N	1:92:D:TRP:CA	1:92:D:TRP:C	8	1.64
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1	1.64
(1,1092)	1:78:F:ALA:C	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	7	1.64
(1,1088)	1:78:J:ALA:C	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1	1.64
(1,1087)	1:78:G:ALA:C	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	7	1.64
(1,1019)	1:75:H:GLY:C	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	4	1.64
(1,1009)	1:75:E:GLY:C	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	4	1.64
(1,384)	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	1:27:H:LEU:N	2	1.64
(1,381)	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	1:27:E:LEU:N	2	1.64
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	7	1.64
(1,129)	1:11:B:VAL:C	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	3	1.64
(1,128)	1:11:G:VAL:C	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	3	1.64
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	10	1.64
(1,109)	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1:12:J:LYS:N	10	1.64
(1,2862)	1:173:I:THR:C	1:174:I:VAL:N	1:174:I:VAL:CA	1:174:I:VAL:C	7	1.63
(1,2861)	1:173:K:THR:C	1:174:K:VAL:N	1:174:K:VAL:CA	1:174:K:VAL:C	7	1.63
(1,1822)	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1:115:H:SER:N	9	1.63
(1,1461)	1:94:L:VAL:N	1:94:L:VAL:CA	1:94:L:VAL:C	1:95:L:ASP:N	3	1.63
(1,1459)	1:94:I:VAL:N	1:94:I:VAL:CA	1:94:I:VAL:C	1:95:I:ASP:N	3	1.63
(1,1454)	1:94:H:VAL:N	1:94:H:VAL:CA	1:94:H:VAL:C	1:95:H:ASP:N	3	1.63
(1,1400)	1:91:C:PHE:C	1:92:C:TRP:N	1:92:C:TRP:CA	1:92:C:TRP:C	8	1.63
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1	1.63
(1,1013)	1:75:D:GLY:C	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	4	1.63
(1,1012)	1:75:L:GLY:C	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	4	1.63
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	7	1.63
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	7	1.63
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	7	1.63
(1,131)	1:11:F:VAL:C	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	3	1.63
(1,115)	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1:12:L:LYS:N	10	1.63
(1,1460)	1:94:E:VAL:N	1:94:E:VAL:CA	1:94:E:VAL:C	1:95:E:ASP:N	3	1.62
(1,1394)	1:91:E:PHE:C	1:92:E:TRP:N	1:92:E:TRP:CA	1:92:E:TRP:C	8	1.62
(1,1086)	1:78:D:ALA:C	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	7	1.62
(1,854)	1:66:D:THR:N	1:66:D:THR:CA	1:66:D:THR:C	1:67:D:TYR:N	4	1.62
(1,126)	1:11:I:VAL:C	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	3	1.62
(1,125)	1:11:E:VAL:C	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	3	1.62
(1,2867)	1:173:B:THR:C	1:174:B:VAL:N	1:174:B:VAL:CA	1:174:B:VAL:C	7	1.61
(1,2841)	1:172:B:GLY:C	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	1	1.61
(1,1398)	1:91:K:PHE:C	1:92:K:TRP:N	1:92:K:TRP:CA	1:92:K:TRP:C	8	1.61
(1,1085)	1:78:L:ALA:C	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1	1.61
(1,1081)	1:78:A:ALA:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1	1.61
(1,856)	1:66:E:THR:N	1:66:E:THR:CA	1:66:E:THR:C	1:67:E:TYR:N	4	1.61
(1,383)	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	1:27:A:LEU:N	2	1.61
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	7	1.61
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	7	1.61
(1,122)	1:11:K:VAL:C	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	3	1.61
(1,2840)	1:172:H:GLY:C	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	1	1.6
(1,1820)	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	1:115:C:SER:N	9	1.6
(1,1464)	1:94:K:VAL:N	1:94:K:VAL:CA	1:94:K:VAL:C	1:95:K:ASP:N	3	1.6
(1,1018)	1:75:I:GLY:C	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	4	1.6
(1,1011)	1:75:K:GLY:C	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	4	1.6
(1,860)	1:66:I:THR:N	1:66:I:THR:CA	1:66:I:THR:C	1:67:I:TYR:N	4	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	7	1.6
(1,286)	1:18:E:ILE:N	1:18:E:ILE:CA	1:18:E:ILE:C	1:19:E:ASP:N	5	1.6
(1,132)	1:11:J:VAL:C	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	3	1.6
(1,130)	1:11:C:VAL:C	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	3	1.6
(1,121)	1:11:H:VAL:C	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	3	1.6
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	10	1.6
(1,2836)	1:172:J:GLY:C	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	1	1.59
(1,2833)	1:172:A:GLY:C	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	1	1.59
(1,1010)	1:75:A:GLY:C	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	4	1.59
(1,859)	1:66:G:THR:N	1:66:G:THR:CA	1:66:G:THR:C	1:67:G:TYR:N	4	1.59
(1,379)	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	1:27:D:LEU:N	2	1.59
(1,376)	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	1:27:I:LEU:N	2	1.59
(1,127)	1:11:D:VAL:C	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	3	1.59
(1,1813)	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1:115:F:SER:N	9	1.58
(1,864)	1:66:K:THR:N	1:66:K:THR:CA	1:66:K:THR:C	1:67:K:TYR:N	4	1.58
(1,861)	1:66:H:THR:N	1:66:H:THR:CA	1:66:H:THR:C	1:67:H:TYR:N	4	1.58
(1,857)	1:66:F:THR:N	1:66:F:THR:CA	1:66:F:THR:C	1:67:F:TYR:N	4	1.58
(1,373)	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	1:27:J:LEU:N	2	1.58
(1,2842)	1:172:F:GLY:C	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	1	1.57
(1,2835)	1:172:G:GLY:C	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	1	1.57
(1,2301)	1:139:A:LYS:N	1:139:A:LYS:CA	1:139:A:LYS:C	1:140:A:ASN:N	8	1.57
(1,1819)	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	1:115:I:SER:N	9	1.57
(1,1818)	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	1:115:L:SER:N	9	1.57
(1,863)	1:66:C:THR:N	1:66:C:THR:CA	1:66:C:THR:C	1:67:C:TYR:N	4	1.57
(1,858)	1:66:B:THR:N	1:66:B:THR:CA	1:66:B:THR:C	1:67:B:TYR:N	4	1.57
(1,853)	1:66:J:THR:N	1:66:J:THR:CA	1:66:J:THR:C	1:67:J:TYR:N	4	1.57
(1,382)	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	1:27:L:LEU:N	2	1.57
(1,378)	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	1:27:C:LEU:N	2	1.57
(1,377)	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	1:27:F:LEU:N	2	1.57
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	7	1.57
(1,2844)	1:172:E:GLY:C	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	1	1.56
(1,2839)	1:172:L:GLY:C	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	1	1.56
(1,1814)	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	1:115:E:SER:N	9	1.56
(1,862)	1:66:L:THR:N	1:66:L:THR:CA	1:66:L:THR:C	1:67:L:TYR:N	4	1.56
(1,855)	1:66:A:THR:N	1:66:A:THR:CA	1:66:A:THR:C	1:67:A:TYR:N	4	1.56
(1,2837)	1:172:K:GLY:C	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	1	1.55
(1,2299)	1:139:G:LYS:N	1:139:G:LYS:CA	1:139:G:LYS:C	1:140:G:ASN:N	8	1.55
(1,2295)	1:139:H:LYS:N	1:139:H:LYS:CA	1:139:H:LYS:C	1:140:H:ASN:N	8	1.55
(1,2294)	1:139:L:LYS:N	1:139:L:LYS:CA	1:139:L:LYS:C	1:140:L:ASN:N	8	1.55
(1,280)	1:18:B:ILE:N	1:18:B:ILE:CA	1:18:B:ILE:C	1:19:B:ASP:N	5	1.55
(1,279)	1:18:F:ILE:N	1:18:F:ILE:CA	1:18:F:ILE:C	1:19:F:ASP:N	5	1.55
(1,132)	1:11:J:VAL:C	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	5	1.55
(1,131)	1:11:F:VAL:C	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	5	1.55
(1,2843)	1:172:I:GLY:C	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	1	1.54
(1,2302)	1:139:J:LYS:N	1:139:J:LYS:CA	1:139:J:LYS:C	1:140:J:ASN:N	8	1.54
(1,2298)	1:139:B:LYS:N	1:139:B:LYS:CA	1:139:B:LYS:C	1:140:B:ASN:N	8	1.54
(1,2296)	1:139:F:LYS:N	1:139:F:LYS:CA	1:139:F:LYS:C	1:140:F:ASN:N	8	1.54
(1,128)	1:11:G:VAL:C	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	5	1.54
(1,2297)	1:139:E:LYS:N	1:139:E:LYS:CA	1:139:E:LYS:C	1:140:E:ASN:N	8	1.53
(1,2293)	1:139:K:LYS:N	1:139:K:LYS:CA	1:139:K:LYS:C	1:140:K:ASN:N	8	1.53
(1,1823)	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	1:115:B:SER:N	9	1.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1817)	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	1:115:K:SER:N	9	1.53
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	4	1.53
(1,121)	1:11:H:VAL:C	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	5	1.53
(1,2304)	1:139:C:LYS:N	1:139:C:LYS:CA	1:139:C:LYS:C	1:140:C:ASN:N	8	1.52
(1,277)	1:18:D:ILE:N	1:18:D:ILE:CA	1:18:D:ILE:C	1:19:D:ASP:N	5	1.52
(1,130)	1:11:C:VAL:C	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	5	1.52
(1,2838)	1:172:C:GLY:C	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	1	1.51
(1,2779)	1:167:I:THR:N	1:167:I:THR:CA	1:167:I:THR:C	1:168:I:GLY:N	6	1.51
(1,2775)	1:167:B:THR:N	1:167:B:THR:CA	1:167:B:THR:C	1:168:B:GLY:N	6	1.51
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	5	1.51
(1,2303)	1:139:D:LYS:N	1:139:D:LYS:CA	1:139:D:LYS:C	1:140:D:ASN:N	8	1.51
(1,1824)	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	1:115:A:SER:N	9	1.51
(1,1821)	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1:115:G:SER:N	9	1.51
(1,1816)	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	1:115:D:SER:N	9	1.51
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	4	1.51
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	4	1.51
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	4	1.51
(1,284)	1:18:J:ILE:N	1:18:J:ILE:CA	1:18:J:ILE:C	1:19:J:ASP:N	5	1.51
(1,127)	1:11:D:VAL:C	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	5	1.51
(1,122)	1:11:K:VAL:C	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	5	1.51
(1,107)	1:10:B:ASP:C	1:11:B:VAL:N	1:11:B:VAL:CA	1:11:B:VAL:C	1	1.51
(1,2300)	1:139:I:LYS:N	1:139:I:LYS:CA	1:139:I:LYS:C	1:140:I:ASN:N	8	1.5
(1,285)	1:18:A:ILE:N	1:18:A:ILE:CA	1:18:A:ILE:C	1:19:A:ASP:N	5	1.5
(1,283)	1:18:H:ILE:N	1:18:H:ILE:CA	1:18:H:ILE:C	1:19:H:ASP:N	5	1.5
(1,132)	1:11:J:VAL:C	1:12:J:LYS:N	1:12:J:LYS:CA	1:12:J:LYS:C	2	1.5
(1,126)	1:11:I:VAL:C	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	5	1.5
(1,125)	1:11:E:VAL:C	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	5	1.5
(1,2777)	1:167:G:THR:N	1:167:G:THR:CA	1:167:G:THR:C	1:168:G:GLY:N	6	1.49
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	4	1.49
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	4	1.49
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	4	1.49
(1,282)	1:18:I:ILE:N	1:18:I:ILE:CA	1:18:I:ILE:C	1:19:I:ASP:N	5	1.49
(1,278)	1:18:C:ILE:N	1:18:C:ILE:CA	1:18:C:ILE:C	1:19:C:ASP:N	5	1.49
(1,124)	1:11:L:VAL:C	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	5	1.49
(1,2782)	1:167:L:THR:N	1:167:L:THR:CA	1:167:L:THR:C	1:168:L:GLY:N	6	1.48
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	5	1.48
(1,1344)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:LYS:N	4	1.48
(1,123)	1:11:A:VAL:C	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	5	1.48
(1,2780)	1:167:A:THR:N	1:167:A:THR:CA	1:167:A:THR:C	1:168:A:GLY:N	6	1.47
(1,2774)	1:167:J:THR:N	1:167:J:THR:CA	1:167:J:THR:C	1:168:J:GLY:N	6	1.47
(1,2773)	1:167:D:THR:N	1:167:D:THR:CA	1:167:D:THR:C	1:168:D:GLY:N	6	1.47
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	3	1.47
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	3	1.47
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	3	1.47
(1,1908)	1:117:F:GLU:C	1:118:F:TYR:N	1:118:F:TYR:CA	1:118:F:TYR:C	10	1.47
(1,1819)	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	1:115:I:SER:N	1	1.47
(1,1336)	1:89:E:ILE:N	1:89:E:ILE:CA	1:89:E:ILE:C	1:90:E:LYS:N	4	1.47
(1,287)	1:18:K:ILE:N	1:18:K:ILE:CA	1:18:K:ILE:C	1:19:K:ASP:N	5	1.47
(1,129)	1:11:B:VAL:C	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	5	1.47
(1,102)	1:10:K:ASP:C	1:11:K:VAL:N	1:11:K:VAL:CA	1:11:K:VAL:C	1	1.47
(1,101)	1:10:I:ASP:C	1:11:I:VAL:N	1:11:I:VAL:CA	1:11:I:VAL:C	1	1.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2781)	1:167:H:THR:N	1:167:H:THR:CA	1:167:H:THR:C	1:168:H:GLY:N	6	1.46
(1,2778)	1:167:F:THR:N	1:167:F:THR:CA	1:167:F:THR:C	1:168:F:GLY:N	6	1.46
(1,2451)	1:147:K:PRO:C	1:148:K:GLU:N	1:148:K:GLU:CA	1:148:K:GLU:C	5	1.46
(1,1907)	1:117:E:GLU:C	1:118:E:TYR:N	1:118:E:TYR:CA	1:118:E:TYR:C	10	1.46
(1,1901)	1:117:C:GLU:C	1:118:C:TYR:N	1:118:C:TYR:CA	1:118:C:TYR:C	10	1.46
(1,1818)	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	1:115:L:SER:N	1	1.46
(1,1815)	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1:115:J:SER:N	9	1.46
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	4	1.46
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	4	1.46
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	4	1.46
(1,302)	1:19:D:ASP:N	1:19:D:ASP:CA	1:19:D:ASP:C	1:20:D:ALA:N	7	1.46
(1,122)	1:11:K:VAL:C	1:12:K:LYS:N	1:12:K:LYS:CA	1:12:K:LYS:C	2	1.46
(1,2784)	1:167:K:THR:N	1:167:K:THR:CA	1:167:K:THR:C	1:168:K:GLY:N	6	1.45
(1,2776)	1:167:E:THR:N	1:167:E:THR:CA	1:167:E:THR:C	1:168:E:GLY:N	6	1.45
(1,1819)	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	1:115:I:SER:N	5	1.45
(1,1817)	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	1:115:K:SER:N	1	1.45
(1,1338)	1:89:H:ILE:N	1:89:H:ILE:CA	1:89:H:ILE:C	1:90:H:LYS:N	4	1.45
(1,288)	1:18:L:ILE:N	1:18:L:ILE:CA	1:18:L:ILE:C	1:19:L:ASP:N	5	1.45
(1,281)	1:18:G:ILE:N	1:18:G:ILE:CA	1:18:G:ILE:C	1:19:G:ASP:N	5	1.45
(1,108)	1:10:A:ASP:C	1:11:A:VAL:N	1:11:A:VAL:CA	1:11:A:VAL:C	1	1.45
(1,100)	1:10:C:ASP:C	1:11:C:VAL:N	1:11:C:VAL:CA	1:11:C:VAL:C	1	1.45
(1,2844)	1:172:E:GLY:C	1:173:E:THR:N	1:173:E:THR:CA	1:173:E:THR:C	10	1.44
(1,2783)	1:167:C:THR:N	1:167:C:THR:CA	1:167:C:THR:C	1:168:C:GLY:N	6	1.44
(1,1906)	1:117:A:GLU:C	1:118:A:TYR:N	1:118:A:TYR:CA	1:118:A:TYR:C	10	1.44
(1,1904)	1:117:J:GLU:C	1:118:J:TYR:N	1:118:J:TYR:CA	1:118:J:TYR:C	10	1.44
(1,1820)	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	1:115:C:SER:N	1	1.44
(1,1342)	1:89:F:ILE:N	1:89:F:ILE:CA	1:89:F:ILE:C	1:90:F:LYS:N	4	1.44
(1,1341)	1:89:I:ILE:N	1:89:I:ILE:CA	1:89:I:ILE:C	1:90:I:LYS:N	4	1.44
(1,1340)	1:89:G:ILE:N	1:89:G:ILE:CA	1:89:G:ILE:C	1:90:G:LYS:N	4	1.44
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	4	1.44
(1,131)	1:11:F:VAL:C	1:12:F:LYS:N	1:12:F:LYS:CA	1:12:F:LYS:C	2	1.44
(1,126)	1:11:I:VAL:C	1:12:I:LYS:N	1:12:I:LYS:CA	1:12:I:LYS:C	2	1.44
(1,125)	1:11:E:VAL:C	1:12:E:LYS:N	1:12:E:LYS:CA	1:12:E:LYS:C	2	1.44
(1,104)	1:10:H:ASP:C	1:11:H:VAL:N	1:11:H:VAL:CA	1:11:H:VAL:C	1	1.44
(1,99)	1:10:G:ASP:C	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1	1.44
(1,97)	1:10:J:ASP:C	1:11:J:VAL:N	1:11:J:VAL:CA	1:11:J:VAL:C	1	1.44
(1,2843)	1:172:I:GLY:C	1:173:I:THR:N	1:173:I:THR:CA	1:173:I:THR:C	10	1.43
(1,2459)	1:147:I:PRO:C	1:148:I:GLU:N	1:148:I:GLU:CA	1:148:I:GLU:C	3	1.43
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	5	1.43
(1,1818)	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	1:115:L:SER:N	5	1.43
(1,1814)	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	1:115:E:SER:N	1	1.43
(1,1813)	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1:115:F:SER:N	1	1.43
(1,1032)	1:76:J:GLN:N	1:76:J:GLN:CA	1:76:J:GLN:C	1:77:J:LYS:N	7	1.43
(1,128)	1:11:G:VAL:C	1:12:G:LYS:N	1:12:G:LYS:CA	1:12:G:LYS:C	2	1.43
(1,127)	1:11:D:VAL:C	1:12:D:LYS:N	1:12:D:LYS:CA	1:12:D:LYS:C	2	1.43
(1,105)	1:10:F:ASP:C	1:11:F:VAL:N	1:11:F:VAL:CA	1:11:F:VAL:C	1	1.43
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	3	1.42
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	5	1.42
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	3	1.42
(1,2456)	1:147:C:PRO:C	1:148:C:GLU:N	1:148:C:GLU:CA	1:148:C:GLU:C	5	1.42
(1,1905)	1:117:D:GLU:C	1:118:D:TYR:N	1:118:D:TYR:CA	1:118:D:TYR:C	10	1.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1903)	1:117:L:GLU:C	1:118:L:TYR:N	1:118:L:TYR:CA	1:118:L:TYR:C	10	1.42
(1,1902)	1:117:K:GLU:C	1:118:K:TYR:N	1:118:K:TYR:CA	1:118:K:TYR:C	10	1.42
(1,1898)	1:117:G:GLU:C	1:118:G:TYR:N	1:118:G:TYR:CA	1:118:G:TYR:C	10	1.42
(1,1897)	1:117:B:GLU:C	1:118:B:TYR:N	1:118:B:TYR:CA	1:118:B:TYR:C	10	1.42
(1,1821)	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1:115:G:SER:N	1	1.42
(1,1814)	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	1:115:E:SER:N	5	1.42
(1,1334)	1:89:L:ILE:N	1:89:L:ILE:CA	1:89:L:ILE:C	1:90:L:LYS:N	4	1.42
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	4	1.42
(1,130)	1:11:C:VAL:C	1:12:C:LYS:N	1:12:C:LYS:CA	1:12:C:LYS:C	2	1.42
(1,106)	1:10:E:ASP:C	1:11:E:VAL:N	1:11:E:VAL:CA	1:11:E:VAL:C	1	1.42
(1,98)	1:10:D:ASP:C	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1	1.42
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	5	1.41
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	3	1.41
(1,2449)	1:147:J:PRO:C	1:148:J:GLU:N	1:148:J:GLU:CA	1:148:J:GLU:C	5	1.41
(1,1900)	1:117:H:GLU:C	1:118:H:TYR:N	1:118:H:TYR:CA	1:118:H:TYR:C	10	1.41
(1,1823)	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	1:115:B:SER:N	5	1.41
(1,1822)	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1:115:H:SER:N	1	1.41
(1,1815)	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1:115:J:SER:N	1	1.41
(1,1339)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:LYS:N	4	1.41
(1,1337)	1:89:J:ILE:N	1:89:J:ILE:CA	1:89:J:ILE:C	1:90:J:LYS:N	4	1.41
(1,1026)	1:76:C:GLN:N	1:76:C:GLN:CA	1:76:C:GLN:C	1:77:C:LYS:N	7	1.41
(1,1023)	1:76:K:GLN:N	1:76:K:GLN:CA	1:76:K:GLN:C	1:77:K:LYS:N	7	1.41
(1,359)	1:25:J:ALA:N	1:25:J:ALA:CA	1:25:J:ALA:C	1:26:J:PRO:N	3	1.41
(1,353)	1:25:I:ALA:N	1:25:I:ALA:CA	1:25:I:ALA:C	1:26:I:PRO:N	3	1.41
(1,352)	1:25:G:ALA:N	1:25:G:ALA:CA	1:25:G:ALA:C	1:26:G:PRO:N	3	1.41
(1,2841)	1:172:B:GLY:C	1:173:B:THR:N	1:173:B:THR:CA	1:173:B:THR:C	10	1.4
(1,2838)	1:172:C:GLY:C	1:173:C:THR:N	1:173:C:THR:CA	1:173:C:THR:C	10	1.4
(1,2835)	1:172:G:GLY:C	1:173:G:THR:N	1:173:G:THR:CA	1:173:G:THR:C	10	1.4
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	3	1.4
(1,2454)	1:147:L:PRO:C	1:148:L:GLU:N	1:148:L:GLU:CA	1:148:L:GLU:C	3	1.4
(1,1822)	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1:115:H:SER:N	5	1.4
(1,1816)	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	1:115:D:SER:N	1	1.4
(1,1335)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:LYS:N	4	1.4
(1,1333)	1:89:K:ILE:N	1:89:K:ILE:CA	1:89:K:ILE:C	1:90:K:LYS:N	4	1.4
(1,1142)	1:81:C:ASP:N	1:81:C:ASP:CA	1:81:C:ASP:C	1:82:C:ALA:N	9	1.4
(1,1095)	1:79:C:ILE:N	1:79:C:ILE:CA	1:79:C:ILE:C	1:80:C:GLU:N	7	1.4
(1,123)	1:11:A:VAL:C	1:12:A:LYS:N	1:12:A:LYS:CA	1:12:A:LYS:C	2	1.4
(1,121)	1:11:H:VAL:C	1:12:H:LYS:N	1:12:H:LYS:CA	1:12:H:LYS:C	2	1.4
(1,2842)	1:172:F:GLY:C	1:173:F:THR:N	1:173:F:THR:CA	1:173:F:THR:C	10	1.39
(1,2833)	1:172:A:GLY:C	1:173:A:THR:N	1:173:A:THR:CA	1:173:A:THR:C	10	1.39
(1,2799)	1:170:J:ALA:N	1:170:J:ALA:CA	1:170:J:ALA:C	1:171:J:PRO:N	3	1.39
(1,2453)	1:147:D:PRO:C	1:148:D:GLU:N	1:148:D:GLU:CA	1:148:D:GLU:C	3	1.39
(1,2450)	1:147:E:PRO:C	1:148:E:GLU:N	1:148:E:GLU:CA	1:148:E:GLU:C	3	1.39
(1,1823)	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	1:115:B:SER:N	1	1.39
(1,1820)	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	1:115:C:SER:N	5	1.39
(1,1817)	1:114:K:GLU:N	1:114:K:GLU:CA	1:114:K:GLU:C	1:115:K:SER:N	5	1.39
(1,1813)	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1:115:F:SER:N	5	1.39
(1,1144)	1:81:G:ASP:N	1:81:G:ASP:CA	1:81:G:ASP:C	1:82:G:ALA:N	9	1.39
(1,1102)	1:79:E:ILE:N	1:79:E:ILE:CA	1:79:E:ILE:C	1:80:E:GLU:N	7	1.39
(1,1097)	1:79:L:ILE:N	1:79:L:ILE:CA	1:79:L:ILE:C	1:80:L:GLU:N	7	1.39
(1,1027)	1:76:F:GLN:N	1:76:F:GLN:CA	1:76:F:GLN:C	1:77:F:LYS:N	7	1.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1021)	1:76:E:GLN:N	1:76:E:GLN:CA	1:76:E:GLN:C	1:77:E:LYS:N	7	1.39
(1,360)	1:25:H:ALA:N	1:25:H:ALA:CA	1:25:H:ALA:C	1:26:H:PRO:N	3	1.39
(1,357)	1:25:L:ALA:N	1:25:L:ALA:CA	1:25:L:ALA:C	1:26:L:PRO:N	3	1.39
(1,355)	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	1:26:A:PRO:N	3	1.39
(1,2836)	1:172:J:GLY:C	1:173:J:THR:N	1:173:J:THR:CA	1:173:J:THR:C	10	1.38
(1,2834)	1:172:D:GLY:C	1:173:D:THR:N	1:173:D:THR:CA	1:173:D:THR:C	10	1.38
(1,2804)	1:170:F:ALA:N	1:170:F:ALA:CA	1:170:F:ALA:C	1:171:F:PRO:N	3	1.38
(1,2460)	1:147:H:PRO:C	1:148:H:GLU:N	1:148:H:GLU:CA	1:148:H:GLU:C	5	1.38
(1,2455)	1:147:B:PRO:C	1:148:B:GLU:N	1:148:B:GLU:CA	1:148:B:GLU:C	5	1.38
(1,2452)	1:147:A:PRO:C	1:148:A:GLU:N	1:148:A:GLU:CA	1:148:A:GLU:C	5	1.38
(1,1899)	1:117:I:GLU:C	1:118:I:TYR:N	1:118:I:TYR:CA	1:118:I:TYR:C	10	1.38
(1,1815)	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1:115:J:SER:N	5	1.38
(1,1343)	1:89:C:ILE:N	1:89:C:ILE:CA	1:89:C:ILE:C	1:90:C:LYS:N	4	1.38
(1,1093)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLU:N	7	1.38
(1,1031)	1:76:H:GLN:N	1:76:H:GLN:CA	1:76:H:GLN:C	1:77:H:LYS:N	7	1.38
(1,1022)	1:76:A:GLN:N	1:76:A:GLN:CA	1:76:A:GLN:C	1:77:A:LYS:N	7	1.38
(1,354)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	3	1.38
(1,301)	1:19:J:ASP:N	1:19:J:ASP:CA	1:19:J:ASP:C	1:20:J:ALA:N	7	1.38
(1,129)	1:11:B:VAL:C	1:12:B:LYS:N	1:12:B:LYS:CA	1:12:B:LYS:C	2	1.38
(1,2840)	1:172:H:GLY:C	1:173:H:THR:N	1:173:H:THR:CA	1:173:H:THR:C	10	1.37
(1,2839)	1:172:L:GLY:C	1:173:L:THR:N	1:173:L:THR:CA	1:173:L:THR:C	10	1.37
(1,2808)	1:170:L:ALA:N	1:170:L:ALA:CA	1:170:L:ALA:C	1:171:L:PRO:N	3	1.37
(1,1816)	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	1:115:D:SER:N	5	1.37
(1,1152)	1:81:H:ASP:N	1:81:H:ASP:CA	1:81:H:ASP:C	1:82:H:ALA:N	9	1.37
(1,1148)	1:81:K:ASP:N	1:81:K:ASP:CA	1:81:K:ASP:C	1:82:K:ALA:N	9	1.37
(1,1104)	1:79:F:ILE:N	1:79:F:ILE:CA	1:79:F:ILE:C	1:80:F:GLU:N	7	1.37
(1,1099)	1:79:G:ILE:N	1:79:G:ILE:CA	1:79:G:ILE:C	1:80:G:GLU:N	7	1.37
(1,1030)	1:76:I:GLN:N	1:76:I:GLN:CA	1:76:I:GLN:C	1:77:I:LYS:N	7	1.37
(1,1029)	1:76:G:GLN:N	1:76:G:GLN:CA	1:76:G:GLN:C	1:77:G:LYS:N	7	1.37
(1,1024)	1:76:L:GLN:N	1:76:L:GLN:CA	1:76:L:GLN:C	1:77:L:LYS:N	7	1.37
(1,358)	1:25:E:ALA:N	1:25:E:ALA:CA	1:25:E:ALA:C	1:26:E:PRO:N	3	1.37
(1,351)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	3	1.37
(1,305)	1:19:F:ASP:N	1:19:F:ASP:CA	1:19:F:ASP:C	1:20:F:ALA:N	7	1.37
(1,304)	1:19:E:ASP:N	1:19:E:ASP:CA	1:19:E:ASP:C	1:20:E:ALA:N	7	1.37
(1,303)	1:19:A:ASP:N	1:19:A:ASP:CA	1:19:A:ASP:C	1:20:A:ALA:N	7	1.37
(1,2805)	1:170:I:ALA:N	1:170:I:ALA:CA	1:170:I:ALA:C	1:171:I:PRO:N	3	1.36
(1,2803)	1:170:G:ALA:N	1:170:G:ALA:CA	1:170:G:ALA:C	1:171:G:PRO:N	3	1.36
(1,2802)	1:170:E:ALA:N	1:170:E:ALA:CA	1:170:E:ALA:C	1:171:E:PRO:N	3	1.36
(1,2798)	1:170:D:ALA:N	1:170:D:ALA:CA	1:170:D:ALA:C	1:171:D:PRO:N	3	1.36
(1,2458)	1:147:F:PRO:C	1:148:F:GLU:N	1:148:F:GLU:CA	1:148:F:GLU:C	5	1.36
(1,2457)	1:147:G:PRO:C	1:148:G:GLU:N	1:148:G:GLU:CA	1:148:G:GLU:C	3	1.36
(1,1824)	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	1:115:A:SER:N	5	1.36
(1,1151)	1:81:J:ASP:N	1:81:J:ASP:CA	1:81:J:ASP:C	1:82:J:ALA:N	9	1.36
(1,1103)	1:79:I:ILE:N	1:79:I:ILE:CA	1:79:I:ILE:C	1:80:I:GLU:N	7	1.36
(1,1002)	1:75:C:GLY:N	1:75:C:GLY:CA	1:75:C:GLY:C	1:76:C:GLN:N	10	1.36
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	2	1.36
(1,310)	1:19:L:ASP:N	1:19:L:ASP:CA	1:19:L:ASP:C	1:20:L:ALA:N	7	1.36
(1,124)	1:11:L:VAL:C	1:12:L:LYS:N	1:12:L:LYS:CA	1:12:L:LYS:C	2	1.36
(1,103)	1:10:L:ASP:C	1:11:L:VAL:N	1:11:L:VAL:CA	1:11:L:VAL:C	1	1.36
(1,2837)	1:172:K:GLY:C	1:173:K:THR:N	1:173:K:THR:CA	1:173:K:THR:C	10	1.35
(1,2807)	1:170:K:ALA:N	1:170:K:ALA:CA	1:170:K:ALA:C	1:171:K:PRO:N	3	1.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1824)	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	1:115:A:SER:N	1	1.35
(1,1821)	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1:115:G:SER:N	5	1.35
(1,1094)	1:79:H:ILE:N	1:79:H:ILE:CA	1:79:H:ILE:C	1:80:H:GLU:N	7	1.35
(1,1025)	1:76:D:GLN:N	1:76:D:GLN:CA	1:76:D:GLN:C	1:77:D:LYS:N	7	1.35
(1,814)	1:64:C:GLU:N	1:64:C:GLU:CA	1:64:C:GLU:C	1:65:C:VAL:N	5	1.35
(1,311)	1:19:C:ASP:N	1:19:C:ASP:CA	1:19:C:ASP:C	1:20:C:ALA:N	7	1.35
(1,308)	1:19:I:ASP:N	1:19:I:ASP:CA	1:19:I:ASP:C	1:20:I:ALA:N	7	1.35
(1,2800)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:PRO:N	3	1.34
(1,1149)	1:81:L:ASP:N	1:81:L:ASP:CA	1:81:L:ASP:C	1:82:L:ALA:N	9	1.34
(1,1100)	1:79:J:ILE:N	1:79:J:ILE:CA	1:79:J:ILE:C	1:80:J:GLU:N	7	1.34
(1,1028)	1:76:B:GLN:N	1:76:B:GLN:CA	1:76:B:GLN:C	1:77:B:LYS:N	7	1.34
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	2	1.34
(1,1098)	1:79:D:ILE:N	1:79:D:ILE:CA	1:79:D:ILE:C	1:80:D:GLU:N	7	1.33
(1,1007)	1:75:F:GLY:N	1:75:F:GLY:CA	1:75:F:GLY:C	1:76:F:GLN:N	10	1.33
(1,1006)	1:75:I:GLY:N	1:75:I:GLY:CA	1:75:I:GLY:C	1:76:I:GLN:N	10	1.33
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	2	1.33
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	2	1.33
(1,356)	1:25:K:ALA:N	1:25:K:ALA:CA	1:25:K:ALA:C	1:26:K:PRO:N	3	1.33
(1,349)	1:25:F:ALA:N	1:25:F:ALA:CA	1:25:F:ALA:C	1:26:F:PRO:N	3	1.33
(1,2806)	1:170:H:ALA:N	1:170:H:ALA:CA	1:170:H:ALA:C	1:171:H:PRO:N	3	1.32
(1,1146)	1:81:D:ASP:N	1:81:D:ASP:CA	1:81:D:ASP:C	1:82:D:ALA:N	9	1.32
(1,1145)	1:81:I:ASP:N	1:81:I:ASP:CA	1:81:I:ASP:C	1:82:I:ALA:N	9	1.32
(1,1096)	1:79:K:ILE:N	1:79:K:ILE:CA	1:79:K:ILE:C	1:80:K:GLU:N	7	1.32
(1,1005)	1:75:B:GLY:N	1:75:B:GLY:CA	1:75:B:GLY:C	1:76:B:GLN:N	10	1.32
(1,816)	1:64:J:GLU:N	1:64:J:GLU:CA	1:64:J:GLU:C	1:65:J:VAL:N	5	1.32
(1,807)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:VAL:N	5	1.32
(1,806)	1:64:K:GLU:N	1:64:K:GLU:CA	1:64:K:GLU:C	1:65:K:VAL:N	5	1.32
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	2	1.32
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	2	1.32
(1,309)	1:19:H:ASP:N	1:19:H:ASP:CA	1:19:H:ASP:C	1:20:H:ALA:N	7	1.32
(1,2801)	1:170:B:ALA:N	1:170:B:ALA:CA	1:170:B:ALA:C	1:171:B:PRO:N	3	1.31
(1,1611)	1:105:J:ASP:C	1:106:J:ALA:N	1:106:J:ALA:CA	1:106:J:ALA:C	4	1.31
(1,1143)	1:81:B:ASP:N	1:81:B:ASP:CA	1:81:B:ASP:C	1:82:B:ALA:N	9	1.31
(1,1008)	1:75:E:GLY:N	1:75:E:GLY:CA	1:75:E:GLY:C	1:76:E:GLN:N	10	1.31
(1,815)	1:64:F:GLU:N	1:64:F:GLU:CA	1:64:F:GLU:C	1:65:F:VAL:N	5	1.31
(1,813)	1:64:B:GLU:N	1:64:B:GLU:CA	1:64:B:GLU:C	1:65:B:VAL:N	5	1.31
(1,809)	1:64:G:GLU:N	1:64:G:GLU:CA	1:64:G:GLU:C	1:65:G:VAL:N	5	1.31
(1,436)	1:28:A:PHE:C	1:29:A:PRO:N	1:29:A:PRO:CA	1:29:A:PRO:C	8	1.31
(1,1147)	1:81:A:ASP:N	1:81:A:ASP:CA	1:81:A:ASP:C	1:82:A:ALA:N	9	1.3
(1,1101)	1:79:B:ILE:N	1:79:B:ILE:CA	1:79:B:ILE:C	1:80:B:GLU:N	7	1.3
(1,1003)	1:75:L:GLY:N	1:75:L:GLY:CA	1:75:L:GLY:C	1:76:L:GLN:N	10	1.3
(1,1001)	1:75:K:GLY:N	1:75:K:GLY:CA	1:75:K:GLY:C	1:76:K:GLN:N	10	1.3
(1,999)	1:75:D:GLY:N	1:75:D:GLY:CA	1:75:D:GLY:C	1:76:D:GLN:N	10	1.3
(1,811)	1:64:D:GLU:N	1:64:D:GLU:CA	1:64:D:GLU:C	1:65:D:VAL:N	5	1.3
(1,805)	1:64:H:GLU:N	1:64:H:GLU:CA	1:64:H:GLU:C	1:65:H:VAL:N	5	1.3
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	2	1.3
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	2	1.3
(1,350)	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	1:26:C:PRO:N	3	1.3
(1,2797)	1:170:C:ALA:N	1:170:C:ALA:CA	1:170:C:ALA:C	1:171:C:PRO:N	3	1.29
(1,1504)	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1:101:F:ASN:N	3	1.29
(1,1501)	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1:101:B:ASN:N	3	1.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1141)	1:81:F:ASP:N	1:81:F:ASP:CA	1:81:F:ASP:C	1:82:F:ALA:N	9	1.29
(1,1004)	1:75:H:GLY:N	1:75:H:GLY:CA	1:75:H:GLY:C	1:76:H:GLN:N	10	1.29
(1,998)	1:75:A:GLY:N	1:75:A:GLY:CA	1:75:A:GLY:C	1:76:A:GLN:N	10	1.29
(1,438)	1:28:F:PHE:C	1:29:F:PRO:N	1:29:F:PRO:CA	1:29:F:PRO:C	8	1.29
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	2	1.29
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	2	1.29
(1,307)	1:19:G:ASP:N	1:19:G:ASP:CA	1:19:G:ASP:C	1:20:G:ALA:N	7	1.29
(1,1613)	1:105:B:ASP:C	1:106:B:ALA:N	1:106:B:ALA:CA	1:106:B:ALA:C	4	1.28
(1,1612)	1:105:A:ASP:C	1:106:A:ALA:N	1:106:A:ALA:CA	1:106:A:ALA:C	4	1.28
(1,1150)	1:81:E:ASP:N	1:81:E:ASP:CA	1:81:E:ASP:C	1:82:E:ALA:N	9	1.28
(1,312)	1:19:K:ASP:N	1:19:K:ASP:CA	1:19:K:ASP:C	1:20:K:ALA:N	7	1.28
(1,2525)	1:150:I:ILE:C	1:151:I:VAL:N	1:151:I:VAL:CA	1:151:I:VAL:C	7	1.27
(1,1609)	1:105:C:ASP:C	1:106:C:ALA:N	1:106:C:ALA:CA	1:106:C:ALA:C	4	1.27
(1,812)	1:64:I:GLU:N	1:64:I:GLU:CA	1:64:I:GLU:C	1:65:I:VAL:N	5	1.27
(1,810)	1:64:E:GLU:N	1:64:E:GLU:CA	1:64:E:GLU:C	1:65:E:VAL:N	5	1.27
(1,808)	1:64:L:GLU:N	1:64:L:GLU:CA	1:64:L:GLU:C	1:65:L:VAL:N	5	1.27
(1,444)	1:28:K:PHE:C	1:29:K:PRO:N	1:29:K:PRO:CA	1:29:K:PRO:C	8	1.27
(1,439)	1:28:B:PHE:C	1:29:B:PRO:N	1:29:B:PRO:CA	1:29:B:PRO:C	8	1.27
(1,434)	1:28:J:PHE:C	1:29:J:PRO:N	1:29:J:PRO:CA	1:29:J:PRO:C	8	1.27
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	2	1.27
(1,306)	1:19:B:ASP:N	1:19:B:ASP:CA	1:19:B:ASP:C	1:20:B:ALA:N	7	1.27
(1,1619)	1:105:H:ASP:C	1:106:H:ALA:N	1:106:H:ALA:CA	1:106:H:ALA:C	4	1.26
(1,1108)	1:79:F:ILE:C	1:80:F:GLU:N	1:80:F:GLU:CA	1:80:F:GLU:C	10	1.26
(1,997)	1:75:G:GLY:N	1:75:G:GLY:CA	1:75:G:GLY:C	1:76:G:GLN:N	10	1.26
(1,443)	1:28:C:PHE:C	1:29:C:PRO:N	1:29:C:PRO:CA	1:29:C:PRO:C	8	1.26
(1,442)	1:28:H:PHE:C	1:29:H:PRO:N	1:29:H:PRO:CA	1:29:H:PRO:C	8	1.26
(1,440)	1:28:G:PHE:C	1:29:G:PRO:N	1:29:G:PRO:CA	1:29:G:PRO:C	8	1.26
(1,2521)	1:150:F:ILE:C	1:151:F:VAL:N	1:151:F:VAL:CA	1:151:F:VAL:C	7	1.25
(1,1618)	1:105:L:ASP:C	1:106:L:ALA:N	1:106:L:ALA:CA	1:106:L:ALA:C	4	1.25
(1,1616)	1:105:F:ASP:C	1:106:F:ALA:N	1:106:F:ALA:CA	1:106:F:ALA:C	4	1.25
(1,1610)	1:105:D:ASP:C	1:106:D:ALA:N	1:106:D:ALA:CA	1:106:D:ALA:C	4	1.25
(1,1512)	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1:101:D:ASN:N	3	1.25
(1,437)	1:28:E:PHE:C	1:29:E:PRO:N	1:29:E:PRO:CA	1:29:E:PRO:C	8	1.25
(1,435)	1:28:D:PHE:C	1:29:D:PRO:N	1:29:D:PRO:CA	1:29:D:PRO:C	8	1.25
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	2	1.25
(1,221)	1:15:C:PHE:C	1:16:C:GLN:N	1:16:C:GLN:CA	1:16:C:GLN:C	7	1.25
(1,2531)	1:150:J:ILE:C	1:151:J:VAL:N	1:151:J:VAL:CA	1:151:J:VAL:C	7	1.24
(1,1511)	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1:101:A:ASN:N	3	1.24
(1,1508)	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1:101:J:ASN:N	3	1.24
(1,220)	1:15:H:PHE:C	1:16:H:GLN:N	1:16:H:GLN:CA	1:16:H:GLN:C	7	1.24
(1,2522)	1:150:C:ILE:C	1:151:C:VAL:N	1:151:C:VAL:CA	1:151:C:VAL:C	7	1.23
(1,2046)	1:127:B:GLU:C	1:128:B:ILE:N	1:128:B:ILE:CA	1:128:B:ILE:C	2	1.23
(1,1509)	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1:101:E:ASN:N	3	1.23
(1,1110)	1:79:J:ILE:C	1:80:J:GLU:N	1:80:J:GLU:CA	1:80:J:GLU:C	10	1.23
(1,441)	1:28:I:PHE:C	1:29:I:PRO:N	1:29:I:PRO:CA	1:29:I:PRO:C	8	1.23
(1,228)	1:15:F:PHE:C	1:16:F:GLN:N	1:16:F:GLN:CA	1:16:F:GLN:C	7	1.23
(1,217)	1:15:B:PHE:C	1:16:B:GLN:N	1:16:B:GLN:CA	1:16:B:GLN:C	7	1.23
(1,2532)	1:150:H:ILE:C	1:151:H:VAL:N	1:151:H:VAL:CA	1:151:H:VAL:C	7	1.22
(1,1507)	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1:101:H:ASN:N	3	1.22
(1,1503)	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1:101:G:ASN:N	3	1.22
(1,1502)	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1:101:C:ASN:N	3	1.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1197)	1:83:J:TYR:N	1:83:J:TYR:CA	1:83:J:TYR:C	1:84:J:GLN:N	6	1.22
(1,1109)	1:79:I:ILE:C	1:80:I:GLU:N	1:80:I:GLU:CA	1:80:I:GLU:C	10	1.22
(1,1000)	1:75:J:GLY:N	1:75:J:GLY:CA	1:75:J:GLY:C	1:76:J:GLN:N	10	1.22
(1,433)	1:28:L:PHE:C	1:29:L:PRO:N	1:29:L:PRO:CA	1:29:L:PRO:C	8	1.22
(1,222)	1:15:K:PHE:C	1:16:K:GLN:N	1:16:K:GLN:CA	1:16:K:GLN:C	7	1.22
(1,1615)	1:105:G:ASP:C	1:106:G:ALA:N	1:106:G:ALA:CA	1:106:G:ALA:C	4	1.21
(1,1614)	1:105:E:ASP:C	1:106:E:ALA:N	1:106:E:ALA:CA	1:106:E:ALA:C	4	1.21
(1,1115)	1:79:E:ILE:C	1:80:E:GLU:N	1:80:E:GLU:CA	1:80:E:GLU:C	10	1.21
(1,1114)	1:79:L:ILE:C	1:80:L:GLU:N	1:80:L:GLU:CA	1:80:L:GLU:C	10	1.21
(1,1107)	1:79:G:ILE:C	1:80:G:GLU:N	1:80:G:GLU:CA	1:80:G:GLU:C	10	1.21
(1,223)	1:15:L:PHE:C	1:16:L:GLN:N	1:16:L:GLN:CA	1:16:L:GLN:C	7	1.21
(1,2528)	1:150:K:ILE:C	1:151:K:VAL:N	1:151:K:VAL:CA	1:151:K:VAL:C	7	1.2
(1,1620)	1:105:K:ASP:C	1:106:K:ALA:N	1:106:K:ALA:CA	1:106:K:ALA:C	4	1.2
(1,225)	1:15:D:PHE:C	1:16:D:GLN:N	1:16:D:GLN:CA	1:16:D:GLN:C	7	1.2
(1,218)	1:15:G:PHE:C	1:16:G:GLN:N	1:16:G:GLN:CA	1:16:G:GLN:C	7	1.2
(1,2045)	1:127:E:GLU:C	1:128:E:ILE:N	1:128:E:ILE:CA	1:128:E:ILE:C	2	1.19
(1,1617)	1:105:I:ASP:C	1:106:I:ALA:N	1:106:I:ALA:CA	1:106:I:ALA:C	4	1.19
(1,1510)	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1:101:K:ASN:N	3	1.19
(1,1116)	1:79:D:ILE:C	1:80:D:GLU:N	1:80:D:GLU:CA	1:80:D:GLU:C	10	1.19
(1,227)	1:15:E:PHE:C	1:16:E:GLN:N	1:16:E:GLN:CA	1:16:E:GLN:C	7	1.19
(1,2530)	1:150:E:ILE:C	1:151:E:VAL:N	1:151:E:VAL:CA	1:151:E:VAL:C	7	1.18
(1,2526)	1:150:D:ILE:C	1:151:D:VAL:N	1:151:D:VAL:CA	1:151:D:VAL:C	7	1.18
(1,2524)	1:150:G:ILE:C	1:151:G:VAL:N	1:151:G:VAL:CA	1:151:G:VAL:C	7	1.18
(1,2052)	1:127:C:GLU:C	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	2	1.18
(1,2051)	1:127:K:GLU:C	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	2	1.18
(1,2047)	1:127:G:GLU:C	1:128:G:ILE:N	1:128:G:ILE:CA	1:128:G:ILE:C	2	1.18
(1,1506)	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1:101:L:ASN:N	3	1.18
(1,1505)	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1:101:I:ASN:N	3	1.18
(1,1113)	1:79:A:ILE:C	1:80:A:GLU:N	1:80:A:GLU:CA	1:80:A:GLU:C	10	1.18
(1,219)	1:15:I:PHE:C	1:16:I:GLN:N	1:16:I:GLN:CA	1:16:I:GLN:C	7	1.18
(1,1507)	1:100:H:GLU:N	1:100:H:GLU:CA	1:100:H:GLU:C	1:101:H:ASN:N	10	1.17
(1,1193)	1:83:L:TYR:N	1:83:L:TYR:CA	1:83:L:TYR:C	1:84:L:GLN:N	6	1.17
(1,226)	1:15:A:PHE:C	1:16:A:GLN:N	1:16:A:GLN:CA	1:16:A:GLN:C	7	1.17
(1,224)	1:15:J:PHE:C	1:16:J:GLN:N	1:16:J:GLN:CA	1:16:J:GLN:C	7	1.17
(1,2523)	1:150:B:ILE:C	1:151:B:VAL:N	1:151:B:VAL:CA	1:151:B:VAL:C	7	1.16
(1,2050)	1:127:D:GLU:C	1:128:D:ILE:N	1:128:D:ILE:CA	1:128:D:ILE:C	2	1.16
(1,2048)	1:127:I:GLU:C	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	2	1.16
(1,2044)	1:127:F:GLU:C	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	2	1.16
(1,2042)	1:127:A:GLU:C	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	2	1.16
(1,2041)	1:127:H:GLU:C	1:128:H:ILE:N	1:128:H:ILE:CA	1:128:H:ILE:C	2	1.16
(1,1807)	1:113:I:ILE:C	1:114:I:GLU:N	1:114:I:GLU:CA	1:114:I:GLU:C	9	1.16
(1,1195)	1:83:G:TYR:N	1:83:G:TYR:CA	1:83:G:TYR:C	1:84:G:GLN:N	6	1.16
(1,1190)	1:83:H:TYR:N	1:83:H:TYR:CA	1:83:H:TYR:C	1:84:H:GLN:N	6	1.16
(1,1106)	1:79:C:ILE:C	1:80:C:GLU:N	1:80:C:GLU:CA	1:80:C:GLU:C	10	1.16
(1,1105)	1:79:B:ILE:C	1:80:B:GLU:N	1:80:B:GLU:CA	1:80:B:GLU:C	10	1.16
(1,2527)	1:150:A:ILE:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	7	1.15
(1,2043)	1:127:L:GLU:C	1:128:L:ILE:N	1:128:L:ILE:CA	1:128:L:ILE:C	2	1.15
(1,1200)	1:83:F:TYR:N	1:83:F:TYR:CA	1:83:F:TYR:C	1:84:F:GLN:N	6	1.15
(1,1112)	1:79:K:ILE:C	1:80:K:GLU:N	1:80:K:GLU:CA	1:80:K:GLU:C	10	1.15
(1,2049)	1:127:J:GLU:C	1:128:J:ILE:N	1:128:J:ILE:CA	1:128:J:ILE:C	2	1.14
(1,1510)	1:100:K:GLU:N	1:100:K:GLU:CA	1:100:K:GLU:C	1:101:K:ASN:N	10	1.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1198)	1:83:B:TYR:N	1:83:B:TYR:CA	1:83:B:TYR:C	1:84:B:GLN:N	6	1.14
(1,935)	1:70:C:LYS:N	1:70:C:LYS:CA	1:70:C:LYS:C	1:71:C:ARG:N	7	1.14
(1,423)	1:28:C:PHE:N	1:28:C:PHE:CA	1:28:C:PHE:C	1:29:C:PRO:N	7	1.14
(1,2529)	1:150:L:ILE:C	1:151:L:VAL:N	1:151:L:VAL:CA	1:151:L:VAL:C	7	1.13
(1,1806)	1:113:L:ILE:C	1:114:L:GLU:N	1:114:L:GLU:CA	1:114:L:GLU:C	9	1.13
(1,1502)	1:100:C:GLU:N	1:100:C:GLU:CA	1:100:C:GLU:C	1:101:C:ASN:N	10	1.13
(1,1501)	1:100:B:GLU:N	1:100:B:GLU:CA	1:100:B:GLU:C	1:101:B:ASN:N	10	1.13
(1,563)	1:39:I:GLY:C	1:40:I:GLU:N	1:40:I:GLU:CA	1:40:I:GLU:C	9	1.13
(1,553)	1:39:E:GLY:C	1:40:E:GLU:N	1:40:E:GLU:CA	1:40:E:GLU:C	9	1.13
(1,432)	1:28:B:PHE:N	1:28:B:PHE:CA	1:28:B:PHE:C	1:29:B:PRO:N	7	1.13
(1,431)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:PRO:N	7	1.13
(1,429)	1:28:E:PHE:N	1:28:E:PHE:CA	1:28:E:PHE:C	1:29:E:PRO:N	7	1.13
(1,427)	1:28:D:PHE:N	1:28:D:PHE:CA	1:28:D:PHE:C	1:29:D:PRO:N	7	1.13
(1,1505)	1:100:I:GLU:N	1:100:I:GLU:CA	1:100:I:GLU:C	1:101:I:ASN:N	10	1.12
(1,1191)	1:83:C:TYR:N	1:83:C:TYR:CA	1:83:C:TYR:C	1:84:C:GLN:N	6	1.12
(1,1189)	1:83:A:TYR:N	1:83:A:TYR:CA	1:83:A:TYR:C	1:84:A:GLN:N	6	1.12
(1,1111)	1:79:H:ILE:C	1:80:H:GLU:N	1:80:H:GLU:CA	1:80:H:GLU:C	10	1.12
(1,936)	1:70:D:LYS:N	1:70:D:LYS:CA	1:70:D:LYS:C	1:71:D:ARG:N	7	1.12
(1,930)	1:70:H:LYS:N	1:70:H:LYS:CA	1:70:H:LYS:C	1:71:H:ARG:N	7	1.12
(1,927)	1:70:A:LYS:N	1:70:A:LYS:CA	1:70:A:LYS:C	1:71:A:ARG:N	7	1.12
(1,422)	1:28:G:PHE:N	1:28:G:PHE:CA	1:28:G:PHE:C	1:29:G:PRO:N	7	1.12
(1,1778)	1:112:L:TYR:C	1:113:L:ILE:N	1:113:L:ILE:CA	1:113:L:ILE:C	7	1.11
(1,1511)	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	1:101:A:ASN:N	10	1.11
(1,1199)	1:83:E:TYR:N	1:83:E:TYR:CA	1:83:E:TYR:C	1:84:E:GLN:N	6	1.11
(1,933)	1:70:I:LYS:N	1:70:I:LYS:CA	1:70:I:LYS:C	1:71:I:ARG:N	7	1.11
(1,932)	1:70:G:LYS:N	1:70:G:LYS:CA	1:70:G:LYS:C	1:71:G:ARG:N	7	1.11
(1,556)	1:39:H:GLY:C	1:40:H:GLU:N	1:40:H:GLU:CA	1:40:H:GLU:C	9	1.11
(1,554)	1:39:F:GLY:C	1:40:F:GLU:N	1:40:F:GLU:CA	1:40:F:GLU:C	9	1.11
(1,430)	1:28:F:PHE:N	1:28:F:PHE:CA	1:28:F:PHE:C	1:29:F:PRO:N	7	1.11
(1,426)	1:28:L:PHE:N	1:28:L:PHE:CA	1:28:L:PHE:C	1:29:L:PRO:N	7	1.11
(1,421)	1:28:H:PHE:N	1:28:H:PHE:CA	1:28:H:PHE:C	1:29:H:PRO:N	7	1.11
(1,2308)	1:140:A:ASN:C	1:141:A:GLY:N	1:141:A:GLY:CA	1:141:A:GLY:C	6	1.1
(1,1810)	1:113:H:ILE:C	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	9	1.1
(1,931)	1:70:B:LYS:N	1:70:B:LYS:CA	1:70:B:LYS:C	1:71:B:ARG:N	7	1.1
(1,557)	1:39:K:GLY:C	1:40:K:GLU:N	1:40:K:GLU:CA	1:40:K:GLU:C	9	1.1
(1,1822)	1:114:H:GLU:N	1:114:H:GLU:CA	1:114:H:GLU:C	1:115:H:SER:N	2	1.09
(1,1512)	1:100:D:GLU:N	1:100:D:GLU:CA	1:100:D:GLU:C	1:101:D:ASN:N	10	1.09
(1,1509)	1:100:E:GLU:N	1:100:E:GLU:CA	1:100:E:GLU:C	1:101:E:ASN:N	10	1.09
(1,1504)	1:100:F:GLU:N	1:100:F:GLU:CA	1:100:F:GLU:C	1:101:F:ASN:N	10	1.09
(1,1503)	1:100:G:GLU:N	1:100:G:GLU:CA	1:100:G:GLU:C	1:101:G:ASN:N	10	1.09
(1,1194)	1:83:D:TYR:N	1:83:D:TYR:CA	1:83:D:TYR:C	1:84:D:GLN:N	6	1.09
(1,934)	1:70:F:LYS:N	1:70:F:LYS:CA	1:70:F:LYS:C	1:71:F:ARG:N	7	1.09
(1,926)	1:70:L:LYS:N	1:70:L:LYS:CA	1:70:L:LYS:C	1:71:L:ARG:N	7	1.09
(1,925)	1:70:K:LYS:N	1:70:K:LYS:CA	1:70:K:LYS:C	1:71:K:ARG:N	7	1.09
(1,558)	1:39:L:GLY:C	1:40:L:GLU:N	1:40:L:GLU:CA	1:40:L:GLU:C	9	1.09
(1,424)	1:28:I:PHE:N	1:28:I:PHE:CA	1:28:I:PHE:C	1:29:I:PRO:N	7	1.09
(1,363)	1:25:G:ALA:C	1:26:G:PRO:N	1:26:G:PRO:CA	1:26:G:PRO:C	5	1.09
(1,1815)	1:114:J:GLU:N	1:114:J:GLU:CA	1:114:J:GLU:C	1:115:J:SER:N	2	1.08
(1,1809)	1:113:G:ILE:C	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	9	1.08
(1,1786)	1:112:J:TYR:C	1:113:J:ILE:N	1:113:J:ILE:CA	1:113:J:ILE:C	7	1.08
(1,1506)	1:100:L:GLU:N	1:100:L:GLU:CA	1:100:L:GLU:C	1:101:L:ASN:N	10	1.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1196)	1:83:I:TYR:N	1:83:I:TYR:CA	1:83:I:TYR:C	1:84:I:GLN:N	6	1.08
(1,564)	1:39:B:GLY:C	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	9	1.08
(1,428)	1:28:J:PHE:N	1:28:J:PHE:CA	1:28:J:PHE:C	1:29:J:PRO:N	7	1.08
(1,425)	1:28:K:PHE:N	1:28:K:PHE:CA	1:28:K:PHE:C	1:29:K:PRO:N	7	1.08
(1,362)	1:25:B:ALA:C	1:26:B:PRO:N	1:26:B:PRO:CA	1:26:B:PRO:C	5	1.08
(1,2306)	1:140:I:ASN:C	1:141:I:GLY:N	1:141:I:GLY:CA	1:141:I:GLY:C	6	1.07
(1,1801)	1:113:F:ILE:C	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	9	1.07
(1,1784)	1:112:I:TYR:C	1:113:I:ILE:N	1:113:I:ILE:CA	1:113:I:ILE:C	7	1.07
(1,1192)	1:83:K:TYR:N	1:83:K:TYR:CA	1:83:K:TYR:C	1:84:K:GLN:N	6	1.07
(1,559)	1:39:C:GLY:C	1:40:C:GLU:N	1:40:C:GLU:CA	1:40:C:GLU:C	9	1.07
(1,367)	1:25:D:ALA:C	1:26:D:PRO:N	1:26:D:PRO:CA	1:26:D:PRO:C	5	1.07
(1,365)	1:25:F:ALA:C	1:26:F:PRO:N	1:26:F:PRO:CA	1:26:F:PRO:C	5	1.07
(1,2316)	1:140:J:ASN:C	1:141:J:GLY:N	1:141:J:GLY:CA	1:141:J:GLY:C	6	1.06
(1,1812)	1:113:A:ILE:C	1:114:A:GLU:N	1:114:A:GLU:CA	1:114:A:GLU:C	9	1.06
(1,1802)	1:113:E:ILE:C	1:114:E:GLU:N	1:114:E:GLU:CA	1:114:E:GLU:C	9	1.06
(1,1781)	1:112:A:TYR:C	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	7	1.06
(1,1508)	1:100:J:GLU:N	1:100:J:GLU:CA	1:100:J:GLU:C	1:101:J:ASN:N	10	1.06
(1,928)	1:70:E:LYS:N	1:70:E:LYS:CA	1:70:E:LYS:C	1:71:E:ARG:N	7	1.06
(1,562)	1:39:A:GLY:C	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	9	1.06
(1,555)	1:39:G:GLY:C	1:40:G:GLU:N	1:40:G:GLU:CA	1:40:G:GLU:C	9	1.06
(1,371)	1:25:A:ALA:C	1:26:A:PRO:N	1:26:A:PRO:CA	1:26:A:PRO:C	5	1.06
(1,2311)	1:140:E:ASN:C	1:141:E:GLY:N	1:141:E:GLY:CA	1:141:E:GLY:C	6	1.05
(1,2310)	1:140:G:ASN:C	1:141:G:GLY:N	1:141:G:GLY:CA	1:141:G:GLY:C	6	1.05
(1,2052)	1:127:C:GLU:C	1:128:C:ILE:N	1:128:C:ILE:CA	1:128:C:ILE:C	3	1.05
(1,2042)	1:127:A:GLU:C	1:128:A:ILE:N	1:128:A:ILE:CA	1:128:A:ILE:C	3	1.05
(1,1813)	1:114:F:GLU:N	1:114:F:GLU:CA	1:114:F:GLU:C	1:115:F:SER:N	2	1.05
(1,1780)	1:112:B:TYR:C	1:113:B:ILE:N	1:113:B:ILE:CA	1:113:B:ILE:C	7	1.05
(1,361)	1:25:J:ALA:C	1:26:J:PRO:N	1:26:J:PRO:CA	1:26:J:PRO:C	5	1.05
(1,2313)	1:140:B:ASN:C	1:141:B:GLY:N	1:141:B:GLY:CA	1:141:B:GLY:C	6	1.04
(1,1811)	1:113:B:ILE:C	1:114:B:GLU:N	1:114:B:GLU:CA	1:114:B:GLU:C	9	1.04
(1,1804)	1:113:D:ILE:C	1:114:D:GLU:N	1:114:D:GLU:CA	1:114:D:GLU:C	9	1.04
(1,929)	1:70:J:LYS:N	1:70:J:LYS:CA	1:70:J:LYS:C	1:71:J:ARG:N	7	1.04
(1,561)	1:39:J:GLY:C	1:40:J:GLU:N	1:40:J:GLU:CA	1:40:J:GLU:C	9	1.04
(1,560)	1:39:D:GLY:C	1:40:D:GLU:N	1:40:D:GLU:CA	1:40:D:GLU:C	9	1.04
(1,1808)	1:113:C:ILE:C	1:114:C:GLU:N	1:114:C:GLU:CA	1:114:C:GLU:C	9	1.03
(1,1785)	1:112:E:TYR:C	1:113:E:ILE:N	1:113:E:ILE:CA	1:113:E:ILE:C	7	1.03
(1,1782)	1:112:G:TYR:C	1:113:G:ILE:N	1:113:G:ILE:CA	1:113:G:ILE:C	7	1.03
(1,372)	1:25:H:ALA:C	1:26:H:PRO:N	1:26:H:PRO:CA	1:26:H:PRO:C	5	1.03
(1,366)	1:25:C:ALA:C	1:26:C:PRO:N	1:26:C:PRO:CA	1:26:C:PRO:C	5	1.03
(1,364)	1:25:I:ALA:C	1:26:I:PRO:N	1:26:I:PRO:CA	1:26:I:PRO:C	5	1.03
(1,2315)	1:140:F:ASN:C	1:141:F:GLY:N	1:141:F:GLY:CA	1:141:F:GLY:C	6	1.02
(1,2309)	1:140:L:ASN:C	1:141:L:GLY:N	1:141:L:GLY:CA	1:141:L:GLY:C	6	1.02
(1,2051)	1:127:K:GLU:C	1:128:K:ILE:N	1:128:K:ILE:CA	1:128:K:ILE:C	3	1.02
(1,1779)	1:112:H:TYR:C	1:113:H:ILE:N	1:113:H:ILE:CA	1:113:H:ILE:C	7	1.02
(1,1777)	1:112:C:TYR:C	1:113:C:ILE:N	1:113:C:ILE:CA	1:113:C:ILE:C	7	1.02
(1,778)	1:62:H:SER:C	1:63:H:GLY:N	1:63:H:GLY:CA	1:63:H:GLY:C	4	1.02
(1,770)	1:62:E:SER:C	1:63:E:GLY:N	1:63:E:GLY:CA	1:63:E:GLY:C	4	1.02
(1,769)	1:62:F:SER:C	1:63:F:GLY:N	1:63:F:GLY:CA	1:63:F:GLY:C	4	1.02
(1,370)	1:25:L:ALA:C	1:26:L:PRO:N	1:26:L:PRO:CA	1:26:L:PRO:C	5	1.02
(1,369)	1:25:E:ALA:C	1:26:E:PRO:N	1:26:E:PRO:CA	1:26:E:PRO:C	5	1.02
(1,368)	1:25:K:ALA:C	1:26:K:PRO:N	1:26:K:PRO:CA	1:26:K:PRO:C	5	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:11:G:VAL:N	1:11:G:VAL:CA	1:11:G:VAL:C	1:12:G:LYS:N	4	1.02
(1,110)	1:11:D:VAL:N	1:11:D:VAL:CA	1:11:D:VAL:C	1:12:D:LYS:N	4	1.02
(1,2520)	1:150:J:ILE:N	1:150:J:ILE:CA	1:150:J:ILE:C	1:151:J:VAL:N	7	1.01
(1,2314)	1:140:C:ASN:C	1:141:C:GLY:N	1:141:C:GLY:CA	1:141:C:GLY:C	6	1.01
(1,2312)	1:140:D:ASN:C	1:141:D:GLY:N	1:141:D:GLY:CA	1:141:D:GLY:C	6	1.01
(1,2048)	1:127:I:GLU:C	1:128:I:ILE:N	1:128:I:ILE:CA	1:128:I:ILE:C	3	1.01
(1,2044)	1:127:F:GLU:C	1:128:F:ILE:N	1:128:F:ILE:CA	1:128:F:ILE:C	3	1.01
(1,772)	1:62:D:SER:C	1:63:D:GLY:N	1:63:D:GLY:CA	1:63:D:GLY:C	4	1.01
(1,747)	1:61:A:ASP:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	9	1.01
(1,1821)	1:114:G:GLU:N	1:114:G:GLU:CA	1:114:G:GLU:C	1:115:G:SER:N	2	1.0
(1,1783)	1:112:F:TYR:C	1:113:F:ILE:N	1:113:F:ILE:CA	1:113:F:ILE:C	7	1.0