Full wwPDB NMR Structure Validation Report

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PDB ID	:	2LME / pdb_00002lme
BMRB ID	:	18108
Title	:	Solid-state NMR structure of the membrane anchor domain of the trimeric autotransporter YadA
Authors	:	Shahid, S.A.; Bardiaux, B.; Franks, W.T.; Habeck, M.; Linke, D.; van Rossum, B.
Deposited on	:	2011-11-30

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 ①) were used in the production of this report:

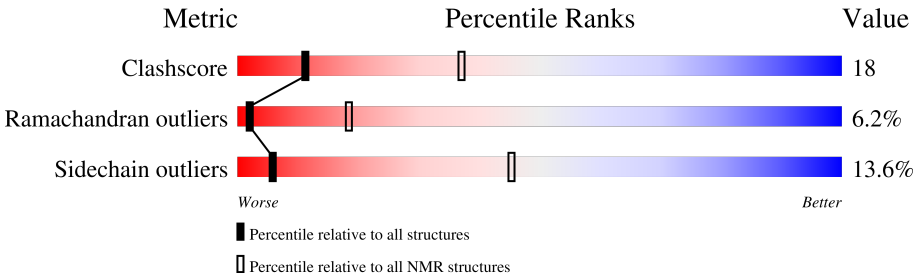
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLID-STATE NMR

The overall completeness of chemical shifts assignment is 14%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	105	48% 34% • 16%
1	B	105	49% 33% • 16%
1	C	105	50% 34% • 15%

2 Ensemble composition and analysis

This entry contains 20 models. Model 7 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:17-A:104, B:17-B:104, C:17-C:105 (265)	0.61	7

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

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

The models can be grouped into 4 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 4662 atoms, of which 2268 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Adhesin yadA.

Mol	Chain	Residues	Atoms						Trace
1	A	105	Total	C	H	N	O	S	0
			1554	500	756	143	154	1	
1	B	105	Total	C	H	N	O	S	0
			1554	500	756	143	154	1	
1	C	105	Total	C	H	N	O	S	0
			1554	500	756	143	154	1	

There are 45 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP A1JUB7
A	2	ASP	-	expression tag	UNP A1JUB7
A	3	GLN	-	expression tag	UNP A1JUB7
A	4	ALA	-	expression tag	UNP A1JUB7
A	5	SER	-	expression tag	UNP A1JUB7
A	6	TRP	-	expression tag	UNP A1JUB7
A	7	SER	-	expression tag	UNP A1JUB7
A	8	HIS	-	expression tag	UNP A1JUB7
A	9	PRO	-	expression tag	UNP A1JUB7
A	10	GLN	-	expression tag	UNP A1JUB7
A	11	PHE	-	expression tag	UNP A1JUB7
A	12	GLU	-	expression tag	UNP A1JUB7
A	13	LYS	-	expression tag	UNP A1JUB7
A	14	GLY	-	expression tag	UNP A1JUB7
A	15	ALA	-	expression tag	UNP A1JUB7
B	1	GLY	-	expression tag	UNP A1JUB7
B	2	ASP	-	expression tag	UNP A1JUB7
B	3	GLN	-	expression tag	UNP A1JUB7
B	4	ALA	-	expression tag	UNP A1JUB7
B	5	SER	-	expression tag	UNP A1JUB7
B	6	TRP	-	expression tag	UNP A1JUB7
B	7	SER	-	expression tag	UNP A1JUB7
B	8	HIS	-	expression tag	UNP A1JUB7
B	9	PRO	-	expression tag	UNP A1JUB7
B	10	GLN	-	expression tag	UNP A1JUB7
B	11	PHE	-	expression tag	UNP A1JUB7
B	12	GLU	-	expression tag	UNP A1JUB7

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Chain	Residue	Modelled	Actual	Comment	Reference
B	13	LYS	-	expression tag	UNP A1JUB7
B	14	GLY	-	expression tag	UNP A1JUB7
B	15	ALA	-	expression tag	UNP A1JUB7
C	1	GLY	-	expression tag	UNP A1JUB7
C	2	ASP	-	expression tag	UNP A1JUB7
C	3	GLN	-	expression tag	UNP A1JUB7
C	4	ALA	-	expression tag	UNP A1JUB7
C	5	SER	-	expression tag	UNP A1JUB7
C	6	TRP	-	expression tag	UNP A1JUB7
C	7	SER	-	expression tag	UNP A1JUB7
C	8	HIS	-	expression tag	UNP A1JUB7
C	9	PRO	-	expression tag	UNP A1JUB7
C	10	GLN	-	expression tag	UNP A1JUB7
C	11	PHE	-	expression tag	UNP A1JUB7
C	12	GLU	-	expression tag	UNP A1JUB7
C	13	LYS	-	expression tag	UNP A1JUB7
C	14	GLY	-	expression tag	UNP A1JUB7
C	15	ALA	-	expression tag	UNP A1JUB7

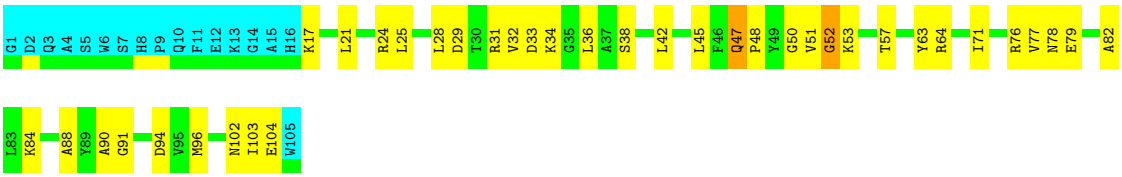
4 Residue-property plots

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: Adhesin yadA

Chain A:

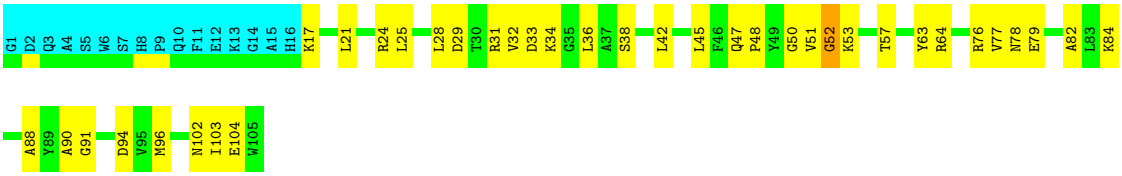


• Molecule 1: Adhesin yadA

Chain B:

• Molecule 1: Adhesin yadA

Chain C:



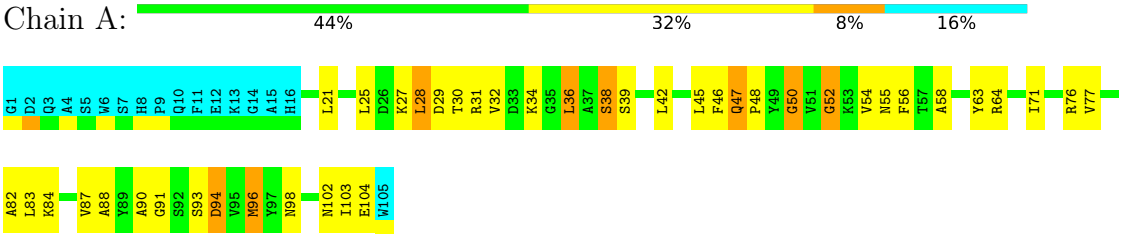
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

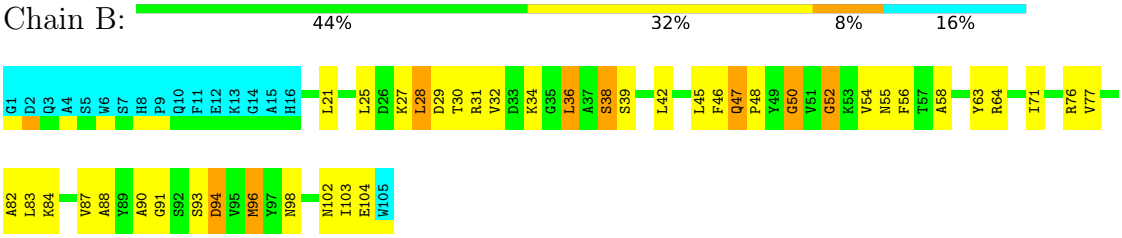
• Molecule 1: Adhesin yadA

Chain A:



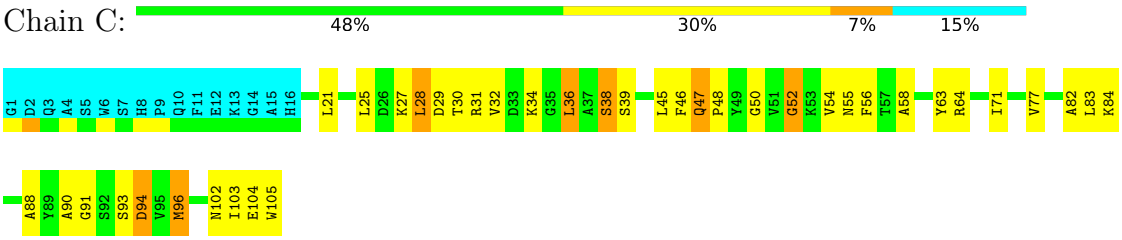
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

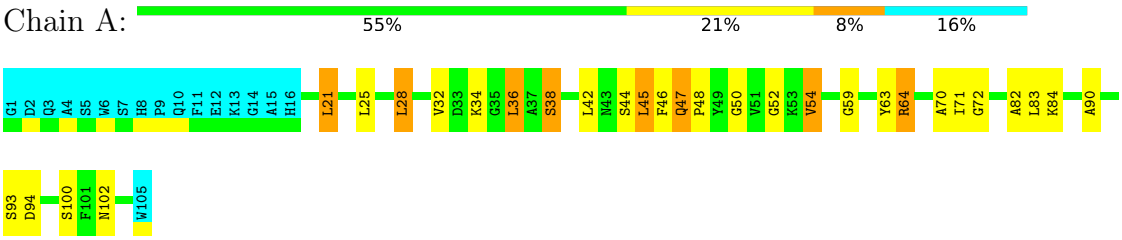
Chain C:



4.2.2 Score per residue for model 2

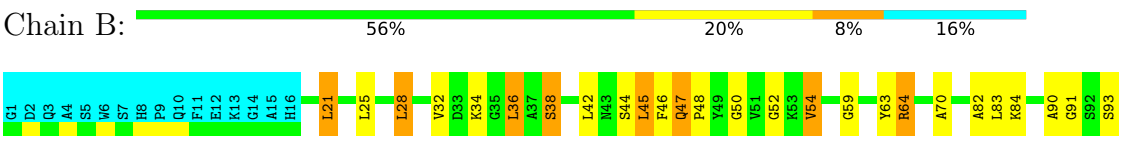
• Molecule 1: Adhesin yadA

Chain A:

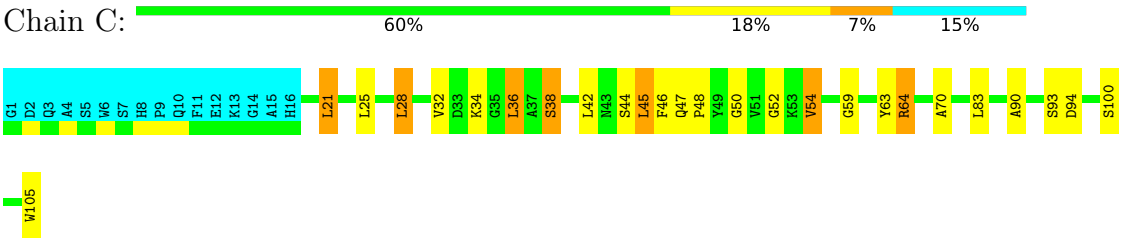


• Molecule 1: Adhesin yadA

Chain B:

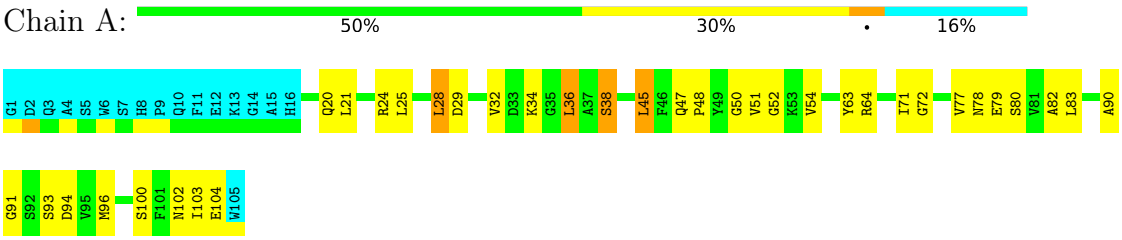


• Molecule 1: Adhesin yadA

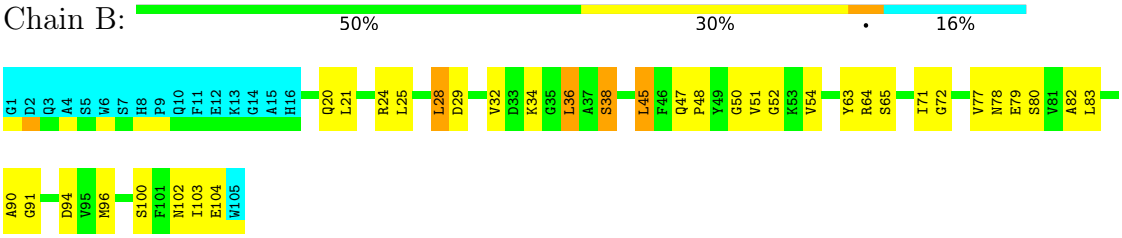


4.2.3 Score per residue for model 3

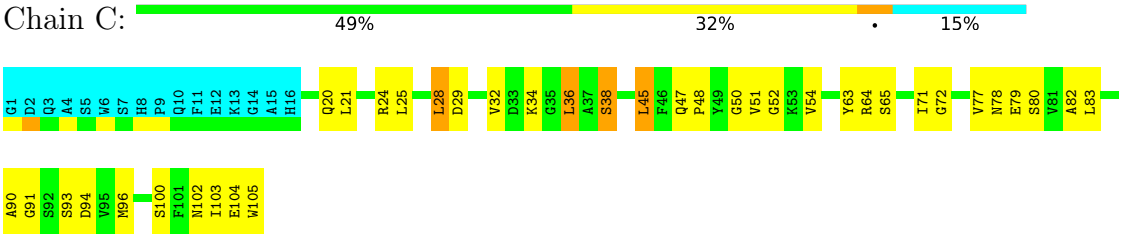
• Molecule 1: Adhesin yadA



• Molecule 1: Adhesin yadA



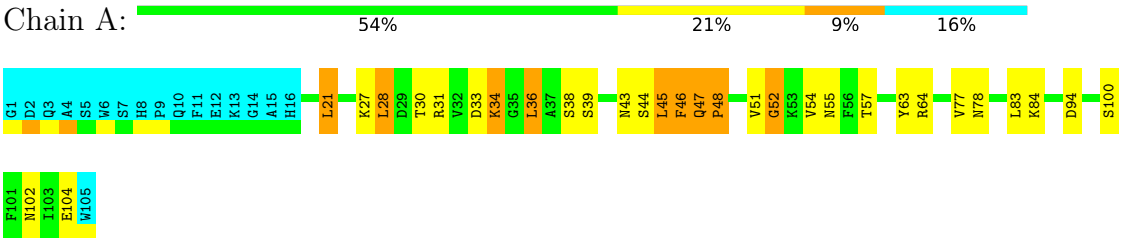
• Molecule 1: Adhesin yadA



4.2.4 Score per residue for model 4

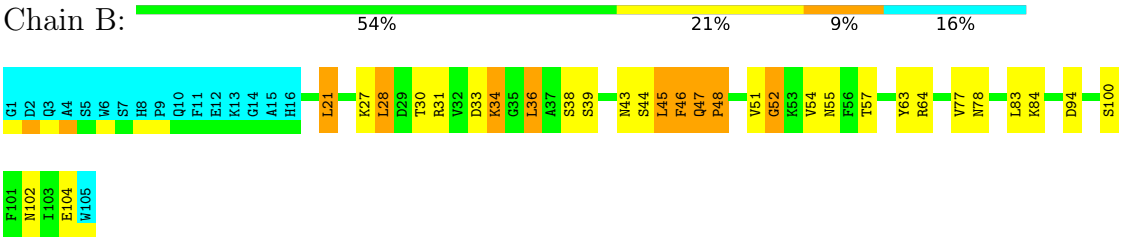
• Molecule 1: Adhesin yadA

Chain A:



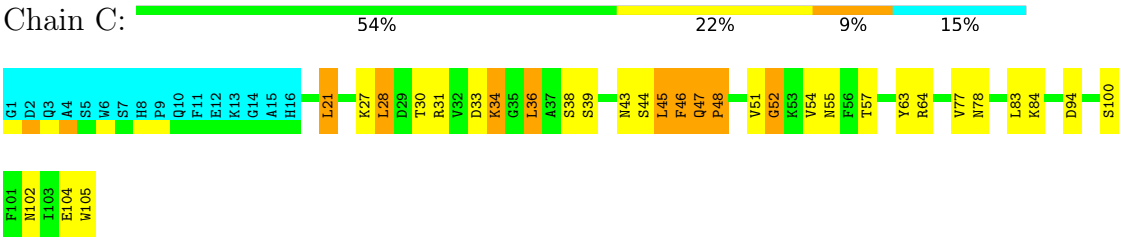
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

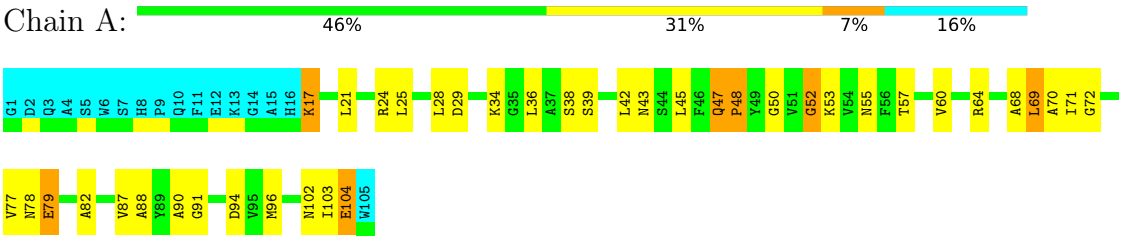
Chain C:



4.2.5 Score per residue for model 5

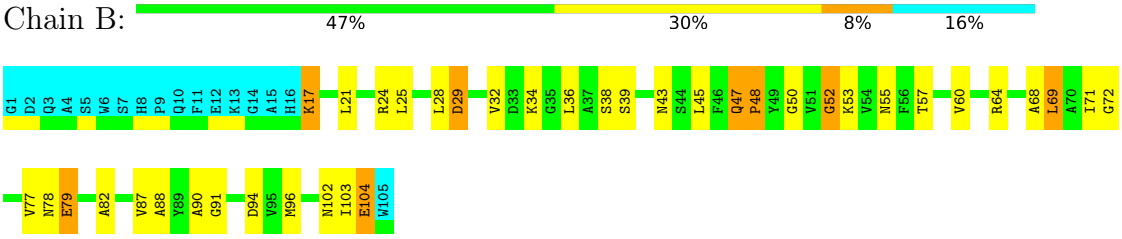
• Molecule 1: Adhesin yadA

Chain A:



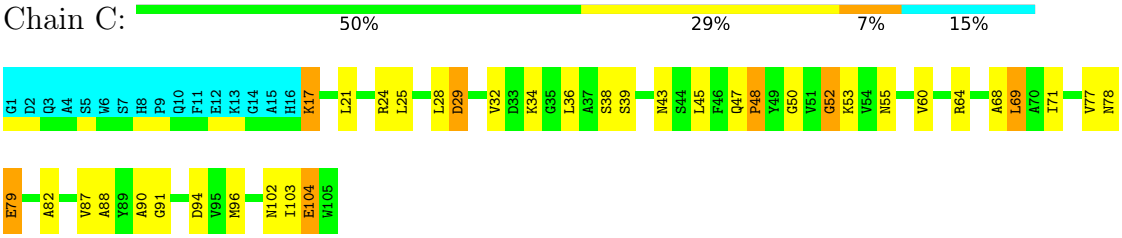
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

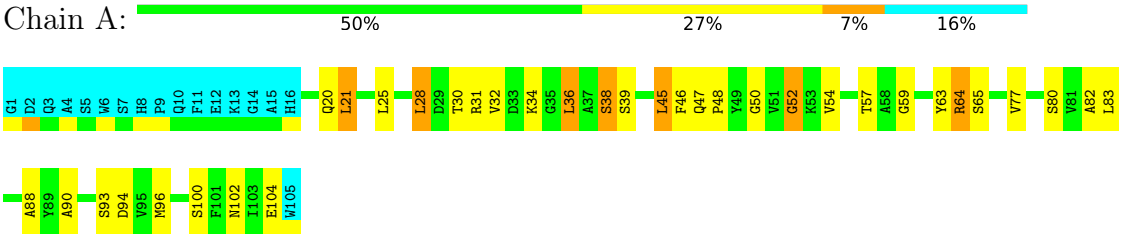
Chain C:



4.2.6 Score per residue for model 6

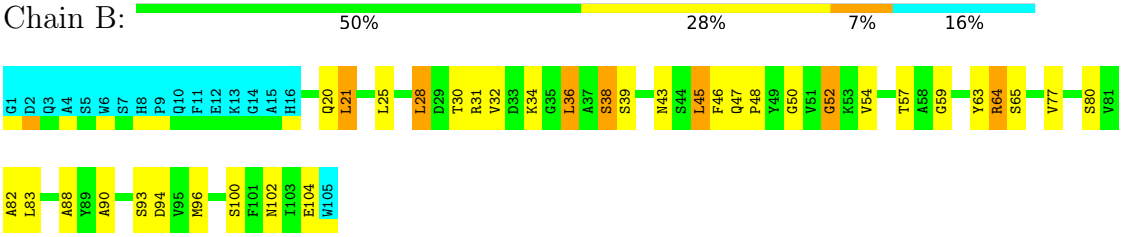
• Molecule 1: Adhesin yadA

Chain A:



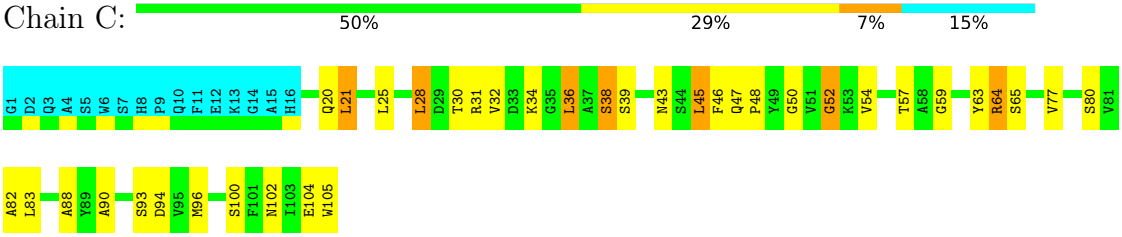
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

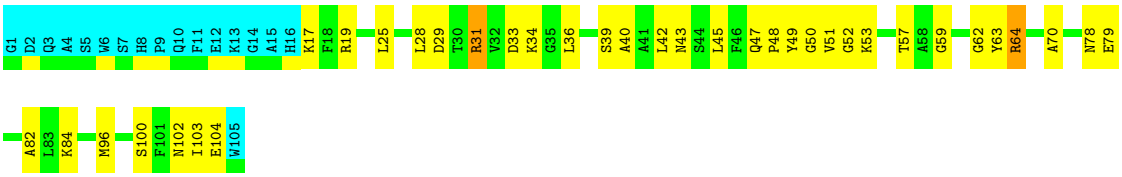
Chain C:



4.2.7 Score per residue for model 7 (medoid)

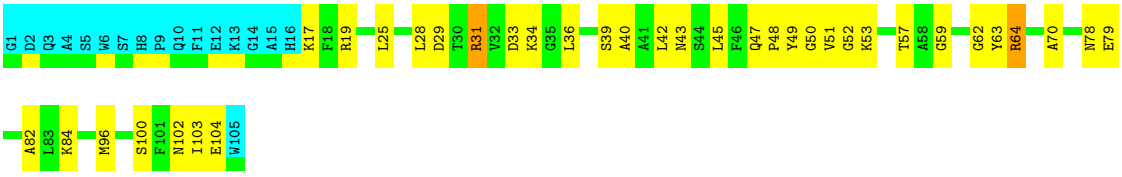
• Molecule 1: Adhesin yadA

Chain A:



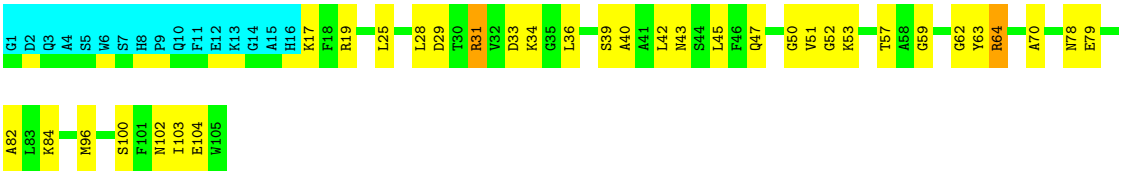
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

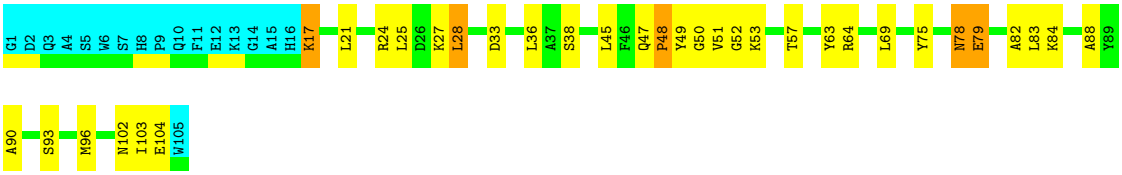
Chain C:



4.2.8 Score per residue for model 8

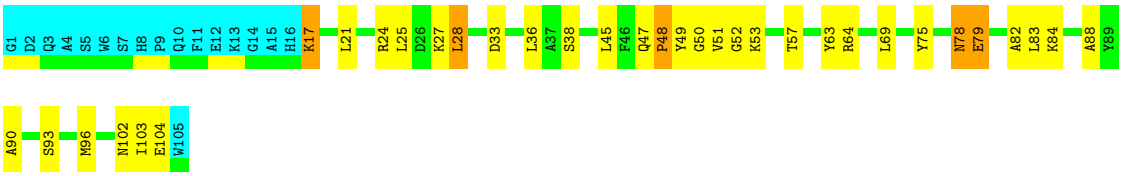
• Molecule 1: Adhesin yadA

Chain A:



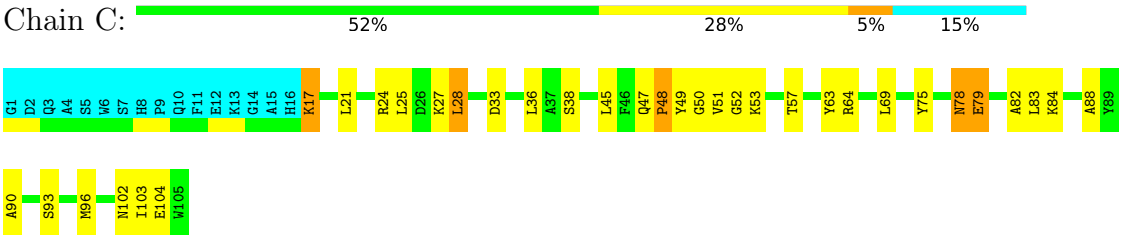
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

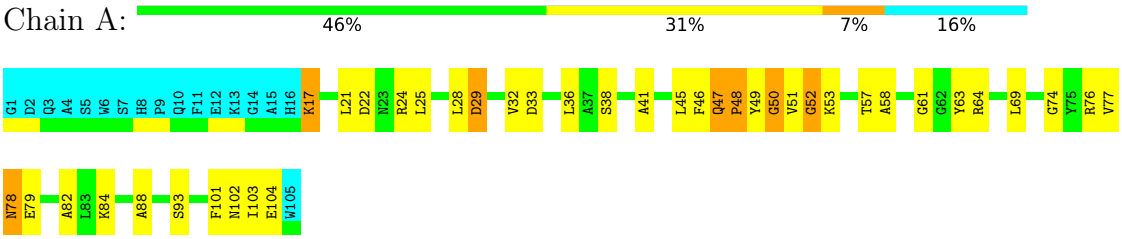
Chain C:



4.2.9 Score per residue for model 9

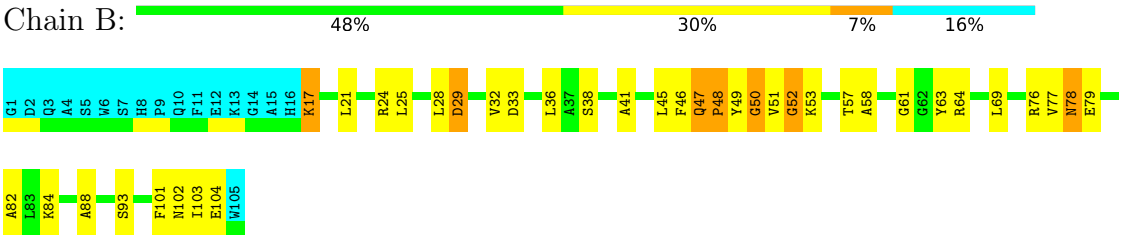
• Molecule 1: Adhesin yadA

Chain A:



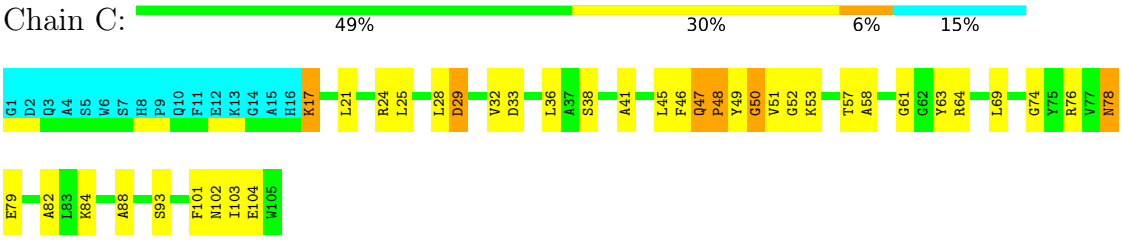
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

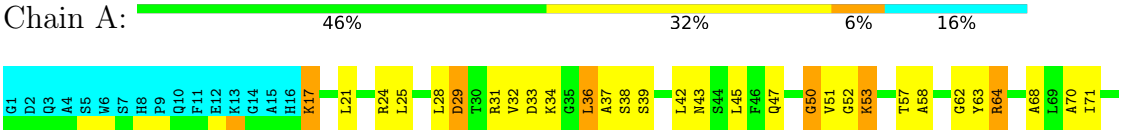
Chain C:

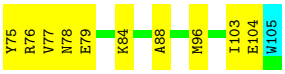


4.2.10 Score per residue for model 10

• Molecule 1: Adhesin yadA

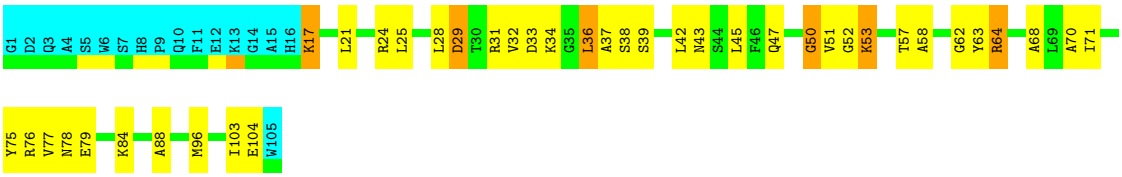
Chain A:





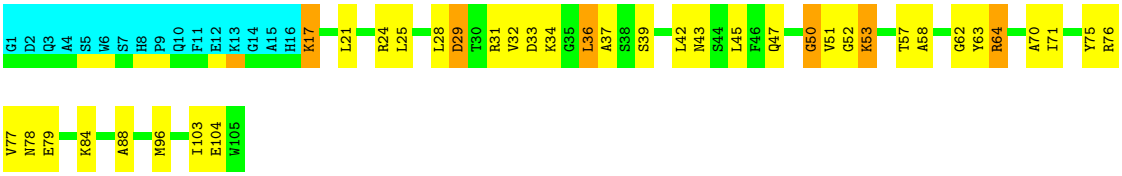
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

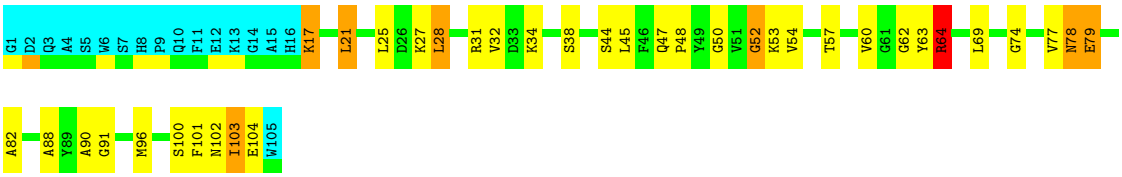
Chain C:



4.2.11 Score per residue for model 11

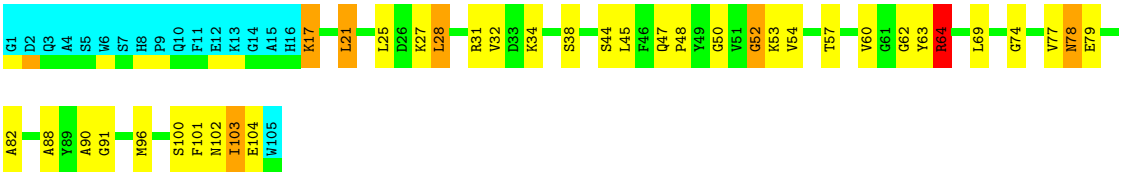
• Molecule 1: Adhesin yadA

Chain A:



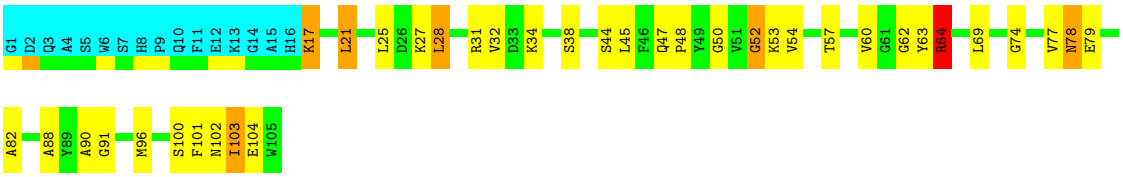
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

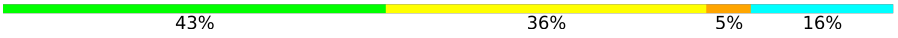
Chain C:



4.2.12 Score per residue for model 12

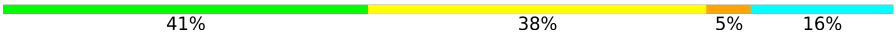
• Molecule 1: Adhesin yadA

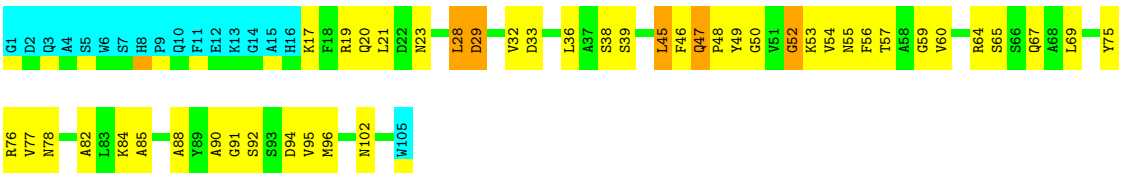
Chain A:



• Molecule 1: Adhesin yadA

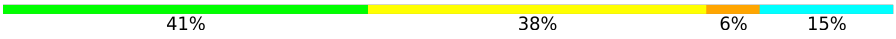
Chain B:

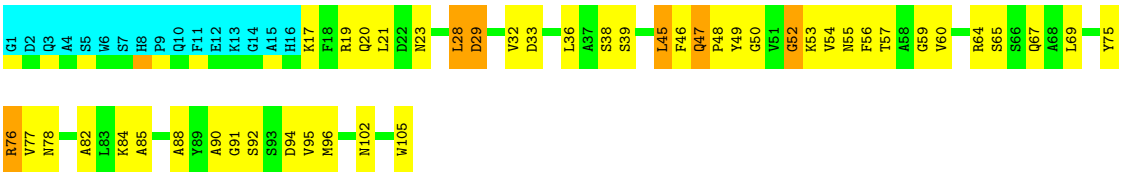




• Molecule 1: Adhesin yadA

Chain C:

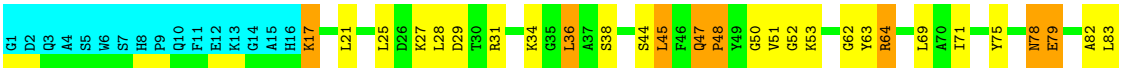




4.2.13 Score per residue for model 13

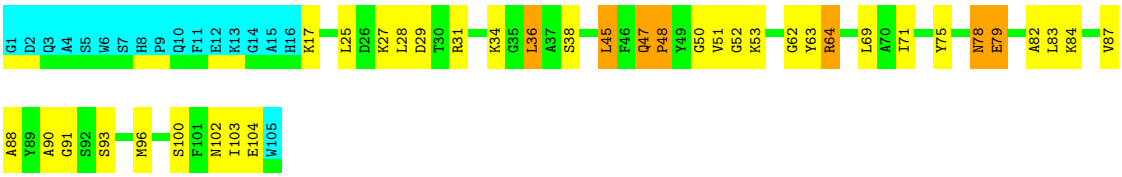
• Molecule 1: Adhesin yadA

Chain A:



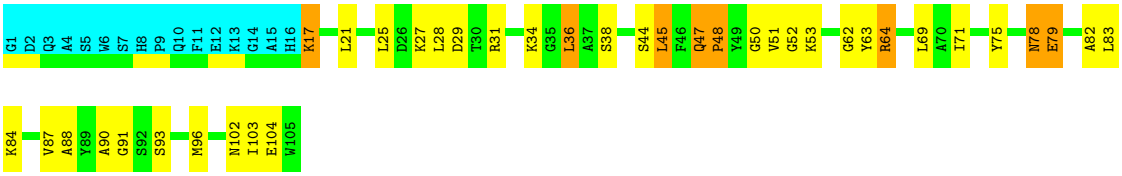
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

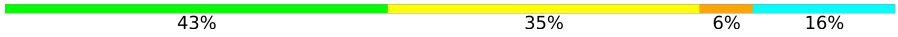
Chain C:

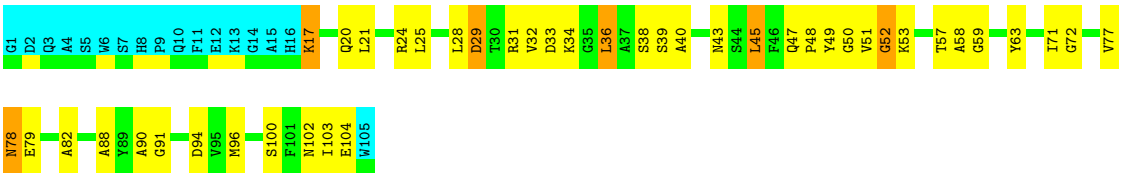


4.2.14 Score per residue for model 14

• Molecule 1: Adhesin yadA

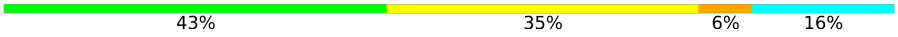
Chain A:

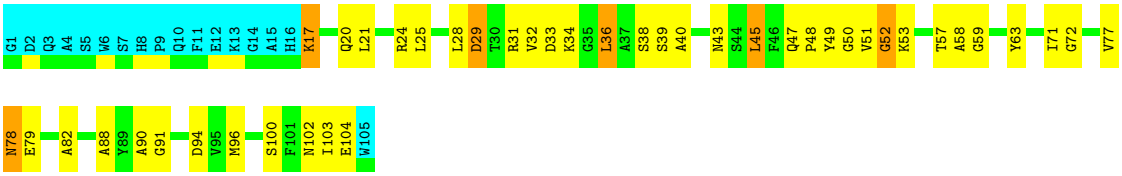




• Molecule 1: Adhesin yadA

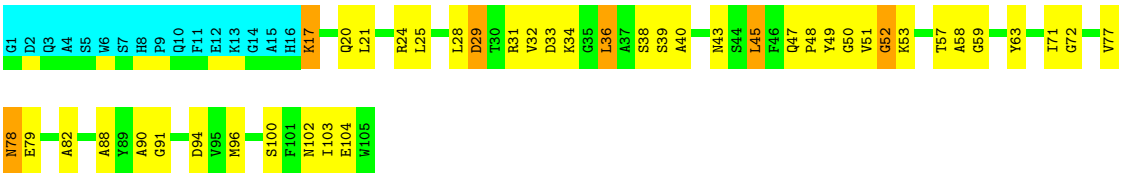
Chain B:





• Molecule 1: Adhesin yadA

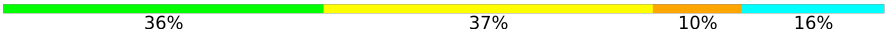
Chain C:



4.2.15 Score per residue for model 15

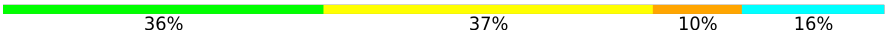
• Molecule 1: Adhesin yadA

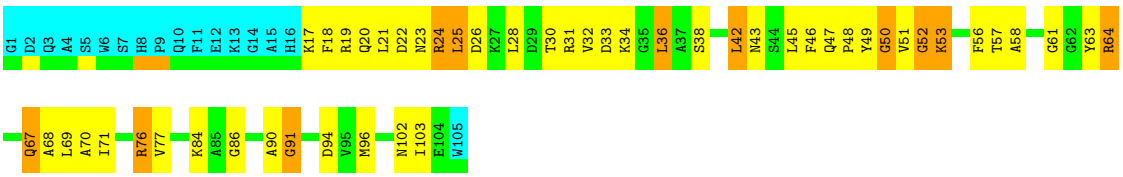
Chain A:



• Molecule 1: Adhesin yadA

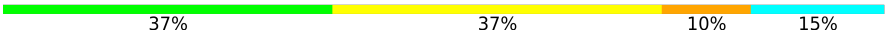
Chain B:





• Molecule 1: Adhesin yadA

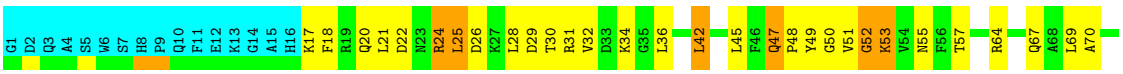
Chain C:

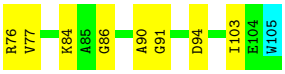


4.2.16 Score per residue for model 16

• Molecule 1: Adhesin yadA

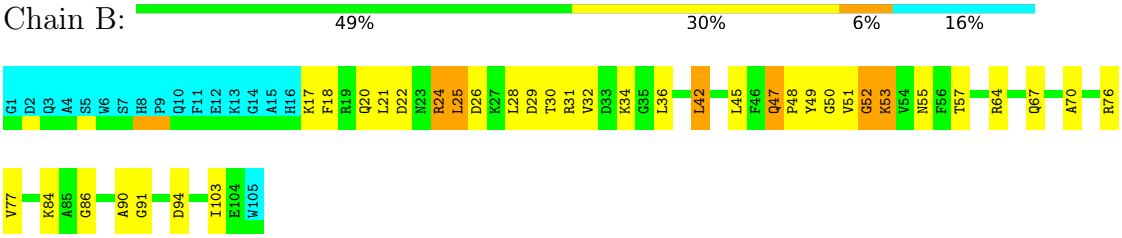
Chain A:





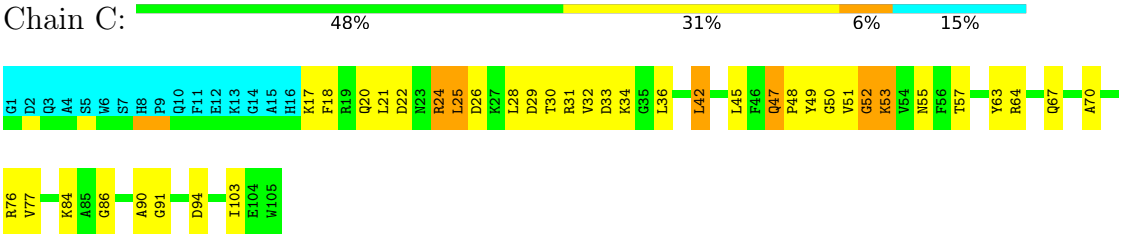
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

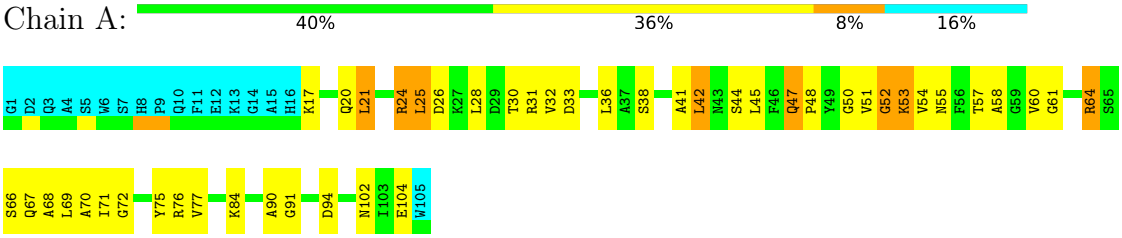
Chain C:



4.2.17 Score per residue for model 17

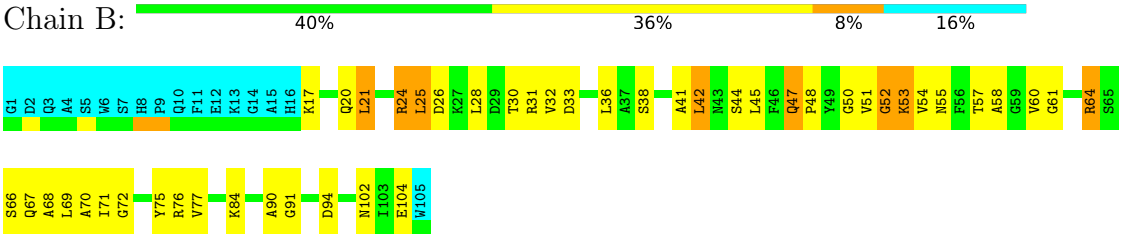
• Molecule 1: Adhesin yadA

Chain A:



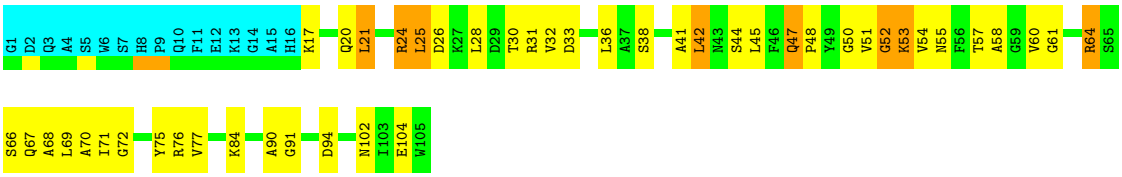
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

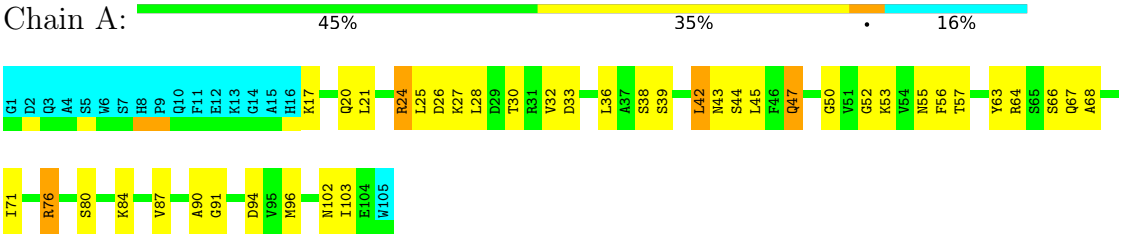
Chain C:



4.2.18 Score per residue for model 18

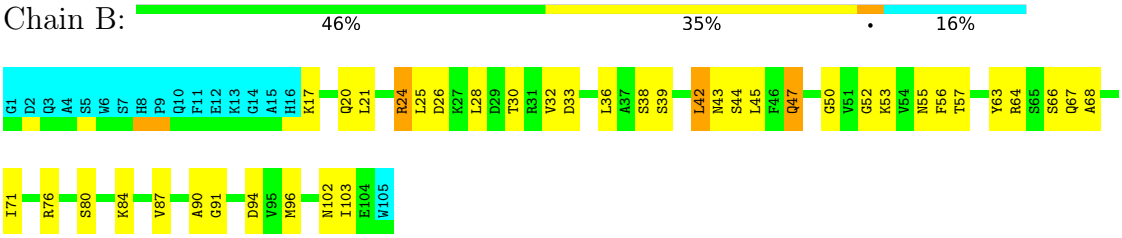
• Molecule 1: Adhesin yadA

Chain A:



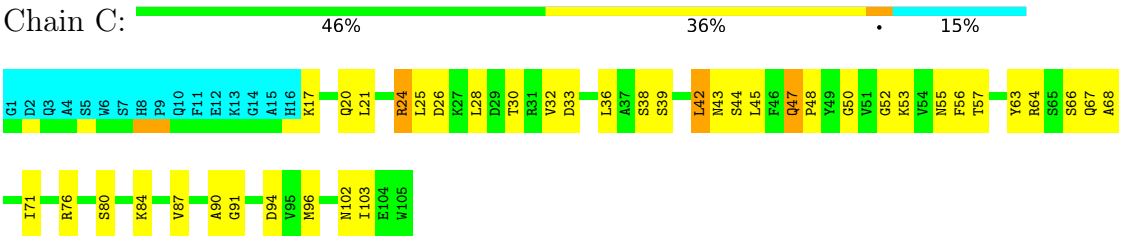
• Molecule 1: Adhesin yadA

Chain B:



• Molecule 1: Adhesin yadA

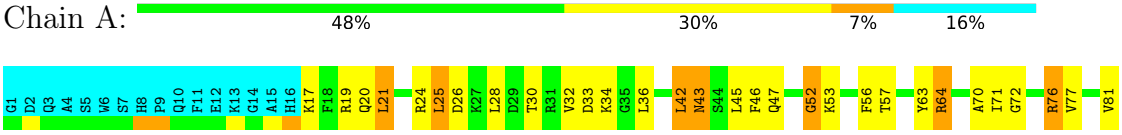
Chain C:



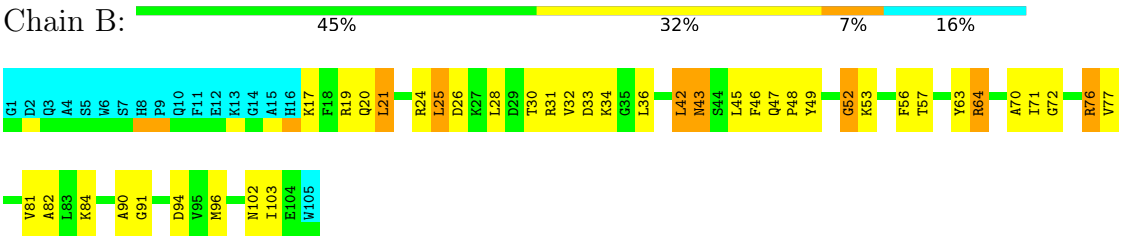
4.2.19 Score per residue for model 19

• Molecule 1: Adhesin yadA

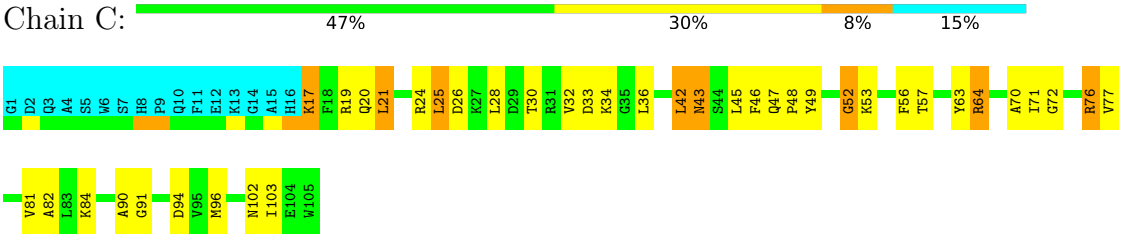
Chain A:



• Molecule 1: Adhesin yadA

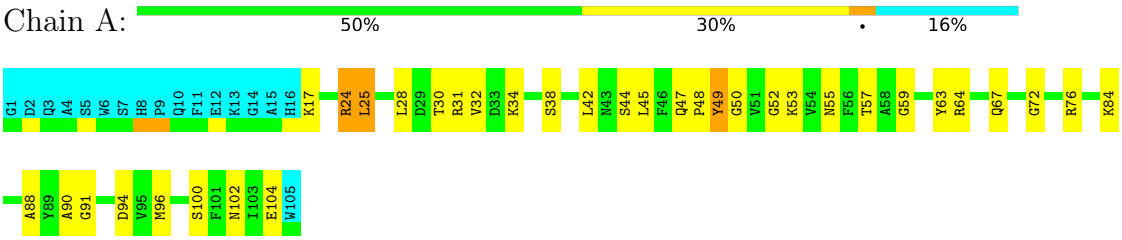


• Molecule 1: Adhesin yadA

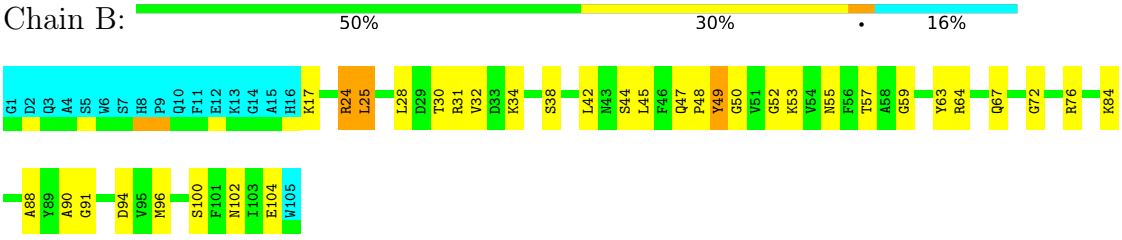


4.2.20 Score per residue for model 20

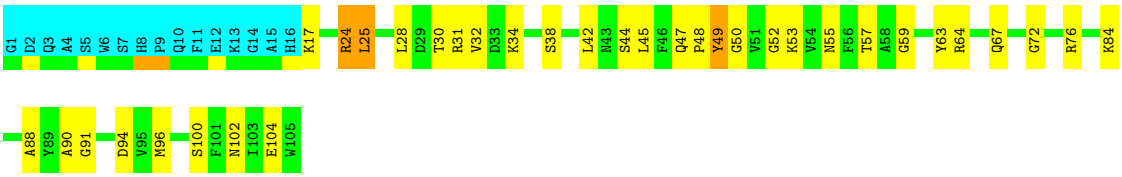
• Molecule 1: Adhesin yadA



• Molecule 1: Adhesin yadA



• Molecule 1: Adhesin yadA


G1
D2
Q3
A4
S5
W6
S7
H8
P9
Q10
F11
E12
K13
G14
A15
H16
K17
R24
L25
L28
D29
T30
R31
V32
D33
K34
S38
L42
W43
S44
L45
F46
Q47
P48
Y49
G50
V51
G52
K53
V54
N55
F56
T57
A58
G59
Y63
R64
Q67
G72
R76
K84
A88
Y89
A90
G91
D94
V95
M96
S100
F101
N102
I103
E104
W105

5 Refinement protocol and experimental data overview

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

Of the 400 calculated structures, 20 were deposited, based on the following criterion: *Highest posterior probability*.

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

Software name	Classification	Version
ISD	refinement	
ISD	structure solution	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	497
Number of shifts mapped to atoms	497
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	14%

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

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.27±0.00	0±0/667 (0.0± 0.0%)	0.62±0.02	0±0/899 (0.1± 0.1%)
1	B	0.27±0.00	0±0/667 (0.0± 0.0%)	0.61±0.02	0±0/899 (0.1± 0.1%)
1	C	0.27±0.00	0±0/683 (0.0± 0.0%)	0.61±0.02	0±0/919 (0.0± 0.1%)
All	All	0.27	0/40340 (0.0%)	0.61	27/54340 (0.0%)

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	C	48	PRO	CB-CA-C	9.43	119.79	111.87	5	9
1	A	48	PRO	CB-CA-C	9.42	119.78	111.87	5	9
1	B	48	PRO	CB-CA-C	7.58	124.06	111.56	4	9

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	657	640	650	31±7
1	B	657	640	650	31±7
1	C	672	650	660	31±7
All	All	39720	38600	39200	1425

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 18.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:54:VAL:HG13	1:C:105:TRP:O	1.10	1.46	6	5
1:A:21:LEU:HD13	1:B:21:LEU:HD21	0.93	1.41	12	1
1:B:21:LEU:HD13	1:C:21:LEU:HD21	0.92	1.41	12	1
1:B:54:VAL:CG1	1:C:105:TRP:O	0.91	2.18	6	5
1:A:21:LEU:HD21	1:C:21:LEU:HD13	0.89	1.41	12	1
1:A:25:LEU:HD22	1:C:25:LEU:HD11	0.80	1.54	5	7
1:A:82:ALA:HB3	1:A:102:ASN:HB2	0.80	1.52	8	11
1:A:25:LEU:HD11	1:B:25:LEU:HD22	0.79	1.53	5	7
1:B:82:ALA:HB3	1:B:102:ASN:HB2	0.79	1.52	8	11
1:A:88:ALA:HB3	1:A:96:MET:CG	0.78	2.09	5	5
1:B:25:LEU:HD11	1:C:25:LEU:HD22	0.78	1.53	5	7
1:C:88:ALA:HB3	1:C:96:MET:CG	0.78	2.09	5	5
1:C:82:ALA:HB3	1:C:102:ASN:HB2	0.77	1.52	8	10
1:B:88:ALA:HB3	1:B:96:MET:CG	0.77	2.09	5	5
1:A:34:LYS:HB2	1:A:90:ALA:HB1	0.77	1.56	2	4
1:B:34:LYS:HB2	1:B:90:ALA:HB1	0.76	1.56	2	5
1:B:88:ALA:HB3	1:B:96:MET:HG2	0.75	1.59	5	6
1:C:88:ALA:HB3	1:C:96:MET:HG2	0.75	1.59	5	6
1:C:34:LYS:HB2	1:C:90:ALA:HB1	0.74	1.56	2	4
1:A:88:ALA:HB3	1:A:96:MET:HG2	0.74	1.59	5	5
1:A:21:LEU:HD21	1:C:21:LEU:CD1	0.73	2.13	12	1
1:B:21:LEU:CD1	1:C:21:LEU:HD21	0.73	2.13	12	1
1:A:39:SER:HB3	1:C:36:LEU:HD21	0.73	1.60	4	3
1:A:21:LEU:CD1	1:B:21:LEU:HD21	0.73	2.13	12	1
1:A:42:LEU:HD23	1:A:70:ALA:HB1	0.72	1.61	15	4
1:C:42:LEU:HD23	1:C:70:ALA:HB1	0.72	1.61	15	4
1:B:42:LEU:HD23	1:B:70:ALA:HB1	0.72	1.61	15	4
1:B:36:LEU:HD21	1:C:39:SER:HB3	0.72	1.60	4	3
1:A:21:LEU:HD12	1:C:21:LEU:HD12	0.72	1.62	19	1
1:B:21:LEU:HD12	1:C:21:LEU:HD12	0.71	1.62	19	1
1:A:36:LEU:HD21	1:B:39:SER:HB3	0.71	1.60	4	3
1:A:38:SER:OG	1:A:88:ALA:HB1	0.69	1.87	14	5
1:C:38:SER:OG	1:C:88:ALA:HB1	0.69	1.87	14	5
1:A:21:LEU:HD12	1:B:21:LEU:HD12	0.69	1.62	19	1
1:B:38:SER:OG	1:B:88:ALA:HB1	0.69	1.87	14	5
1:B:51:VAL:HG12	1:B:53:LYS:HE2	0.68	1.65	16	3
1:B:45:LEU:HD11	1:C:100:SER:HB2	0.68	1.66	3	4
1:A:100:SER:HB2	1:C:45:LEU:HD11	0.68	1.66	3	4
1:A:45:LEU:HD11	1:B:100:SER:HB2	0.68	1.66	3	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:51:VAL:HG12	1:C:53:LYS:HE2	0.68	1.65	16	3
1:A:45:LEU:HG	1:A:57:THR:HB	0.68	1.66	17	13
1:B:45:LEU:HG	1:B:57:THR:HB	0.68	1.66	17	13
1:A:51:VAL:HG12	1:A:53:LYS:HE2	0.68	1.65	16	3
1:C:45:LEU:HG	1:C:57:THR:HB	0.67	1.66	17	13
1:A:21:LEU:HA	1:C:21:LEU:HD11	0.66	1.66	19	2
1:A:21:LEU:HD11	1:B:21:LEU:HA	0.66	1.66	19	2
1:C:31:ARG:HA	1:C:34:LYS:HE3	0.65	1.68	20	6
1:B:21:LEU:HD11	1:C:21:LEU:HA	0.65	1.66	19	2
1:B:31:ARG:HA	1:B:34:LYS:HE3	0.65	1.68	20	6
1:A:21:LEU:HD21	1:C:21:LEU:HD23	0.65	1.68	4	3
1:A:21:LEU:HD23	1:B:21:LEU:HD21	0.65	1.68	4	3
1:B:21:LEU:HD23	1:C:21:LEU:HD21	0.65	1.68	4	3
1:A:31:ARG:HA	1:A:34:LYS:HE3	0.65	1.68	20	6
1:C:56:PHE:CZ	1:C:71:ILE:HD11	0.64	2.28	19	2
1:A:52:GLY:HA2	1:A:77:VAL:HA	0.64	1.70	5	12
1:A:24:ARG:HG3	1:C:21:LEU:HD21	0.64	1.70	18	1
1:C:52:GLY:HA2	1:C:77:VAL:HA	0.64	1.70	5	11
1:A:32:VAL:HG22	1:C:32:VAL:HG11	0.63	1.70	6	3
1:A:41:ALA:HB2	1:A:61:GLY:HA3	0.63	1.70	9	2
1:A:56:PHE:CZ	1:A:71:ILE:HD11	0.63	2.28	19	2
1:B:56:PHE:CZ	1:B:71:ILE:HD11	0.63	2.28	19	2
1:A:77:VAL:HG22	1:A:78:ASN:OD1	0.63	1.94	12	2
1:B:36:LEU:HD21	1:C:36:LEU:HG	0.63	1.71	10	2
1:B:28:LEU:O	1:B:32:VAL:HG13	0.63	1.94	20	6
1:C:28:LEU:O	1:C:32:VAL:HG13	0.63	1.94	20	6
1:B:21:LEU:HD21	1:C:24:ARG:HG3	0.63	1.70	18	1
1:A:32:VAL:HG11	1:B:32:VAL:HG22	0.62	1.70	6	3
1:A:21:LEU:HD21	1:B:24:ARG:HG3	0.62	1.70	18	1
1:C:41:ALA:HB2	1:C:61:GLY:HA3	0.62	1.70	9	2
1:B:32:VAL:HG11	1:C:32:VAL:HG22	0.62	1.70	6	3
1:B:52:GLY:HA2	1:B:77:VAL:HA	0.62	1.69	5	12
1:A:28:LEU:O	1:A:32:VAL:HG13	0.62	1.94	20	6
1:B:77:VAL:HG22	1:B:78:ASN:OD1	0.62	1.95	4	2
1:C:77:VAL:HG22	1:C:78:ASN:OD1	0.62	1.95	4	2
1:B:41:ALA:HB2	1:B:61:GLY:HA3	0.62	1.70	9	2
1:A:26:ASP:O	1:A:30:THR:HG22	0.62	1.95	17	5
1:A:36:LEU:HD21	1:B:36:LEU:HG	0.61	1.71	10	2
1:A:36:LEU:HG	1:C:36:LEU:HD21	0.61	1.71	10	2
1:B:36:LEU:HD22	1:B:63:TYR:CD1	0.61	2.30	2	4
1:B:26:ASP:O	1:B:30:THR:HG22	0.61	1.95	17	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:44:SER:HB3	1:C:100:SER:OG	0.61	1.96	2	3
1:B:38:SER:HB2	1:B:90:ALA:HB2	0.61	1.72	3	8
1:C:21:LEU:O	1:C:25:LEU:HD23	0.61	1.95	9	1
1:B:21:LEU:O	1:B:25:LEU:HD23	0.61	1.95	9	1
1:C:36:LEU:HD22	1:C:63:TYR:CD1	0.61	2.30	2	4
1:C:26:ASP:O	1:C:30:THR:HG22	0.60	1.95	17	5
1:A:100:SER:OG	1:C:44:SER:HB3	0.60	1.96	2	4
1:A:38:SER:HB2	1:A:90:ALA:HB2	0.60	1.72	3	8
1:A:36:LEU:HD22	1:A:63:TYR:CD1	0.60	2.30	2	4
1:A:57:THR:HG22	1:B:102:ASN:OD1	0.60	1.97	20	3
1:C:38:SER:HB2	1:C:90:ALA:HB2	0.60	1.72	3	8
1:A:44:SER:HB3	1:B:100:SER:OG	0.60	1.96	2	4
1:B:57:THR:HG22	1:C:102:ASN:OD1	0.59	1.97	20	3
1:A:55:ASN:OD1	1:B:104:GLU:HG2	0.59	1.98	1	2
1:A:24:ARG:HD3	1:C:25:LEU:HD13	0.59	1.74	15	4
1:B:25:LEU:HD13	1:C:24:ARG:HD3	0.59	1.74	15	4
1:C:34:LYS:HD2	1:C:91:GLY:HA3	0.59	1.74	15	1
1:A:21:LEU:O	1:A:25:LEU:HD23	0.59	1.95	9	1
1:A:102:ASN:OD1	1:C:57:THR:HG22	0.59	1.97	20	3
1:A:25:LEU:HD13	1:B:24:ARG:HD3	0.59	1.74	15	4
1:B:25:LEU:HD12	1:C:28:LEU:HD11	0.59	1.74	18	1
1:A:104:GLU:HG2	1:C:55:ASN:OD1	0.59	1.98	1	2
1:A:46:PHE:O	1:A:47:GLN:HB2	0.59	1.98	4	3
1:B:42:LEU:HD11	1:B:86:GLY:HA3	0.59	1.74	15	2
1:A:28:LEU:HD11	1:C:25:LEU:HD12	0.59	1.74	18	1
1:B:30:THR:HG22	1:B:34:LYS:HE2	0.58	1.75	6	2
1:A:34:LYS:HD2	1:A:91:GLY:HA3	0.58	1.74	15	1
1:B:48:PRO:HD3	1:C:102:ASN:HB3	0.58	1.74	4	9
1:A:17:LYS:O	1:A:21:LEU:HB2	0.58	1.98	9	5
1:B:38:SER:HB3	1:B:68:ALA:HB1	0.58	1.75	17	3
1:A:25:LEU:HD12	1:B:28:LEU:HD11	0.58	1.74	18	1
1:A:48:PRO:HD3	1:B:102:ASN:HB3	0.58	1.74	4	9
1:A:102:ASN:HB3	1:C:48:PRO:HD3	0.58	1.74	4	9
1:C:17:LYS:O	1:C:21:LEU:HB2	0.58	1.98	9	5
1:A:30:THR:HG22	1:A:34:LYS:HE2	0.58	1.75	6	2
1:B:46:PHE:O	1:B:47:GLN:HB2	0.58	1.98	4	3
1:A:36:LEU:HD13	1:A:63:TYR:CE2	0.58	2.34	14	1
1:B:36:LEU:HD13	1:B:63:TYR:CE2	0.58	2.34	14	1
1:C:38:SER:HB3	1:C:68:ALA:HB1	0.58	1.76	18	3
1:A:25:LEU:HG	1:C:25:LEU:HD21	0.58	1.75	6	3
1:C:42:LEU:HD11	1:C:86:GLY:HA3	0.58	1.74	15	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:47:GLN:HG3	1:A:84:LYS:HE3	0.57	1.76	4	3
1:A:42:LEU:HD11	1:A:86:GLY:HA3	0.57	1.74	15	2
1:B:55:ASN:OD1	1:C:104:GLU:HG2	0.57	1.98	1	2
1:B:34:LYS:HD2	1:B:91:GLY:HA3	0.57	1.74	15	1
1:B:33:ASP:HA	1:B:63:TYR:CD2	0.57	2.35	19	5
1:C:36:LEU:HD13	1:C:63:TYR:CE2	0.57	2.34	14	1
1:B:47:GLN:HG3	1:B:84:LYS:HE3	0.57	1.76	4	3
1:B:25:LEU:HD21	1:C:25:LEU:HG	0.57	1.75	6	3
1:C:46:PHE:O	1:C:47:GLN:HB2	0.57	1.98	4	3
1:C:30:THR:HG22	1:C:34:LYS:HE2	0.57	1.75	6	2
1:A:81:VAL:HG23	1:A:103:ILE:CG2	0.57	2.30	19	1
1:B:81:VAL:HG23	1:B:103:ILE:CG2	0.57	2.30	19	1
1:C:47:GLN:HG3	1:C:84:LYS:HE3	0.57	1.76	4	2
1:A:38:SER:HB3	1:A:68:ALA:HB1	0.57	1.76	18	3
1:A:21:LEU:HD11	1:B:21:LEU:CA	0.56	2.30	19	1
1:B:17:LYS:O	1:B:21:LEU:HB2	0.56	1.98	9	4
1:A:33:ASP:HA	1:A:63:TYR:CD2	0.56	2.35	19	4
1:A:28:LEU:HD21	1:C:29:ASP:HB2	0.56	1.77	12	1
1:A:21:LEU:CA	1:C:21:LEU:HD11	0.56	2.30	19	1
1:C:81:VAL:HG23	1:C:103:ILE:CG2	0.56	2.30	19	1
1:C:63:TYR:CE2	1:C:64:ARG:HG3	0.56	2.36	6	2
1:C:33:ASP:HA	1:C:63:TYR:CD2	0.56	2.35	19	6
1:A:79:GLU:O	1:C:48:PRO:HB2	0.56	2.00	5	3
1:A:29:ASP:HB2	1:B:28:LEU:HD21	0.56	1.77	12	1
1:B:48:PRO:HB2	1:C:79:GLU:O	0.56	2.00	5	3
1:A:43:ASN:HB3	1:C:43:ASN:HB3	0.56	1.78	7	3
1:C:20:GLN:O	1:C:24:ARG:HG2	0.56	2.01	18	4
1:A:21:LEU:CD1	1:B:21:LEU:HD12	0.56	2.31	19	1
1:B:21:LEU:HD11	1:C:21:LEU:CA	0.56	2.30	19	1
1:A:63:TYR:CE2	1:A:64:ARG:HG3	0.56	2.36	6	2
1:A:20:GLN:O	1:A:24:ARG:HG2	0.56	2.01	18	4
1:A:25:LEU:HD21	1:B:25:LEU:HG	0.56	1.75	6	3
1:B:29:ASP:HB2	1:C:28:LEU:HD21	0.55	1.77	12	1
1:A:28:LEU:O	1:A:32:VAL:HG22	0.55	2.02	15	2
1:B:20:GLN:O	1:B:24:ARG:HG2	0.55	2.01	18	4
1:C:34:LYS:CD	1:C:91:GLY:HA3	0.55	2.31	15	2
1:A:48:PRO:HB2	1:B:79:GLU:O	0.55	2.00	5	3
1:C:28:LEU:O	1:C:32:VAL:HG22	0.55	2.02	15	2
1:B:29:ASP:HA	1:C:28:LEU:HD21	0.55	1.79	1	2
1:B:63:TYR:CE2	1:B:64:ARG:HG3	0.55	2.36	6	2
1:A:21:LEU:HD12	1:C:21:LEU:CD1	0.55	2.31	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:34:LYS:CD	1:B:91:GLY:HA3	0.55	2.31	15	2
1:C:21:LEU:HD22	1:C:25:LEU:HD23	0.55	1.78	5	2
1:B:45:LEU:CG	1:B:57:THR:HB	0.55	2.31	16	5
1:B:28:LEU:O	1:B:32:VAL:HG22	0.55	2.02	15	2
1:B:81:VAL:HA	1:B:103:ILE:HG22	0.55	1.79	19	1
1:A:45:LEU:CG	1:A:57:THR:HB	0.55	2.31	16	6
1:B:43:ASN:HB3	1:C:43:ASN:HB3	0.55	1.78	7	4
1:A:55:ASN:OD1	1:B:104:GLU:HB3	0.55	2.02	20	2
1:A:43:ASN:HB3	1:B:43:ASN:HB3	0.55	1.78	7	3
1:C:45:LEU:CG	1:C:57:THR:HB	0.55	2.31	16	5
1:B:21:LEU:HD22	1:B:25:LEU:HD23	0.55	1.78	5	2
1:A:104:GLU:HB3	1:C:55:ASN:OD1	0.55	2.02	20	2
1:B:55:ASN:OD1	1:C:104:GLU:HB3	0.55	2.02	20	2
1:C:38:SER:CB	1:C:90:ALA:HB2	0.54	2.33	11	5
1:C:31:ARG:HA	1:C:34:LYS:CE	0.54	2.32	20	1
1:B:38:SER:CB	1:B:90:ALA:HB2	0.54	2.33	11	4
1:C:30:THR:O	1:C:34:LYS:HG2	0.54	2.03	20	4
1:A:34:LYS:CD	1:A:91:GLY:HA3	0.54	2.32	5	2
1:B:90:ALA:HB3	1:B:94:ASP:HB3	0.54	1.79	1	2
1:A:81:VAL:HA	1:A:103:ILE:HG22	0.54	1.79	19	1
1:A:90:ALA:HB3	1:A:94:ASP:HB3	0.54	1.79	1	2
1:A:63:TYR:CD1	1:B:96:MET:HB3	0.54	2.38	19	3
1:A:31:ARG:HA	1:A:34:LYS:CE	0.54	2.32	20	1
1:A:29:ASP:HA	1:B:28:LEU:HD21	0.54	1.79	1	2
1:A:30:THR:O	1:A:34:LYS:HG2	0.54	2.03	20	4
1:C:20:GLN:O	1:C:24:ARG:HG3	0.54	2.03	14	1
1:A:63:TYR:CE1	1:B:96:MET:HE2	0.54	2.38	18	2
1:A:28:LEU:O	1:A:32:VAL:HG23	0.54	2.03	2	4
1:A:38:SER:CB	1:A:90:ALA:HB2	0.54	2.33	12	5
1:B:21:LEU:CD1	1:C:21:LEU:HD12	0.54	2.31	19	1
1:C:90:ALA:HB3	1:C:94:ASP:HB3	0.53	1.79	1	2
1:A:21:LEU:HD22	1:A:25:LEU:HD23	0.53	1.78	5	2
1:A:20:GLN:O	1:A:24:ARG:HG3	0.53	2.03	14	1
1:A:46:PHE:O	1:C:46:PHE:CG	0.53	2.61	19	2
1:A:96:MET:HE2	1:C:63:TYR:CE1	0.53	2.38	18	2
1:B:63:TYR:CE1	1:C:96:MET:HE2	0.53	2.38	18	2
1:A:62:GLY:O	1:B:96:MET:HB2	0.53	2.03	11	3
1:C:57:THR:HG21	1:C:84:LYS:HE3	0.53	1.80	7	2
1:A:48:PRO:O	1:A:49:TYR:O	0.53	2.26	20	1
1:C:28:LEU:O	1:C:32:VAL:HG23	0.53	2.03	2	4
1:A:96:MET:HB3	1:C:63:TYR:CD1	0.53	2.38	19	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:57:THR:HG21	1:A:84:LYS:HE3	0.53	1.80	10	2
1:A:96:MET:HB2	1:C:62:GLY:O	0.53	2.03	11	3
1:B:57:THR:HG21	1:B:84:LYS:HE3	0.53	1.80	10	2
1:C:39:SER:HB2	1:C:96:MET:SD	0.53	2.43	18	4
1:C:81:VAL:HA	1:C:103:ILE:HG22	0.53	1.79	19	1
1:C:42:LEU:HD13	1:C:42:LEU:O	0.53	2.03	18	4
1:A:93:SER:O	1:A:93:SER:OG	0.53	2.27	6	4
1:B:30:THR:O	1:B:34:LYS:HG2	0.53	2.03	20	4
1:A:46:PHE:CG	1:B:46:PHE:O	0.53	2.61	19	2
1:C:31:ARG:HH11	1:C:31:ARG:HG2	0.53	1.63	15	3
1:B:48:PRO:O	1:B:49:TYR:O	0.53	2.26	20	1
1:B:31:ARG:HA	1:B:34:LYS:CE	0.53	2.32	20	1
1:B:28:LEU:O	1:B:32:VAL:HG23	0.53	2.03	2	4
1:B:46:PHE:CG	1:C:46:PHE:O	0.53	2.62	19	2
1:A:28:LEU:HD21	1:C:29:ASP:HA	0.53	1.79	1	2
1:A:39:SER:HB2	1:A:96:MET:SD	0.53	2.43	18	5
1:B:62:GLY:O	1:C:96:MET:HB2	0.53	2.03	11	3
1:C:48:PRO:O	1:C:49:TYR:O	0.53	2.26	20	1
1:B:20:GLN:O	1:B:24:ARG:HG3	0.52	2.03	14	1
1:A:42:LEU:O	1:A:42:LEU:HD13	0.52	2.03	18	4
1:A:58:ALA:CB	1:A:71:ILE:HD12	0.52	2.35	14	3
1:C:42:LEU:HB2	1:C:70:ALA:HB1	0.52	1.81	10	3
1:B:31:ARG:HG2	1:B:31:ARG:HH11	0.52	1.63	15	3
1:B:58:ALA:CB	1:B:71:ILE:HD12	0.52	2.35	14	2
1:A:45:LEU:HD22	1:A:45:LEU:N	0.52	2.20	15	4
1:B:42:LEU:HD13	1:B:42:LEU:O	0.52	2.03	18	4
1:A:38:SER:HB2	1:A:68:ALA:HB1	0.52	1.82	5	2
1:C:58:ALA:CB	1:C:71:ILE:HD12	0.52	2.35	14	2
1:B:39:SER:HB2	1:B:96:MET:SD	0.52	2.43	18	5
1:C:51:VAL:HA	1:C:78:ASN:O	0.52	2.05	14	6
1:A:31:ARG:HG2	1:A:31:ARG:HH11	0.52	1.63	15	3
1:B:45:LEU:HD22	1:B:45:LEU:N	0.52	2.19	15	4
1:C:45:LEU:N	1:C:45:LEU:HD22	0.52	2.19	15	4
1:A:80:SER:HA	1:A:104:GLU:OE1	0.52	2.05	3	2
1:B:63:TYR:CD1	1:C:96:MET:HB3	0.52	2.38	19	3
1:C:93:SER:O	1:C:93:SER:OG	0.52	2.27	6	4
1:A:21:LEU:HD11	1:B:24:ARG:HD3	0.52	1.82	8	3
1:B:21:LEU:HD11	1:C:24:ARG:HD3	0.52	1.82	8	3
1:A:39:SER:CB	1:C:36:LEU:HD21	0.52	2.33	4	1
1:C:38:SER:HB2	1:C:68:ALA:HB1	0.52	1.82	5	1
1:A:43:ASN:ND2	1:C:40:ALA:HA	0.52	2.20	14	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:34:LYS:HD2	1:C:94:ASP:HB2	0.52	1.82	1	1
1:A:40:ALA:HA	1:B:43:ASN:ND2	0.52	2.20	14	2
1:B:40:ALA:HA	1:C:43:ASN:ND2	0.52	2.20	14	2
1:B:51:VAL:HA	1:B:78:ASN:O	0.51	2.05	14	6
1:A:31:ARG:NH2	1:C:32:VAL:HG21	0.51	2.20	20	2
1:A:28:LEU:CG	1:C:25:LEU:HD12	0.51	2.35	20	1
1:A:60:VAL:HG12	1:A:69:LEU:HA	0.51	1.82	11	1
1:B:42:LEU:HB2	1:B:70:ALA:HB1	0.51	1.82	10	3
1:A:36:LEU:HD21	1:B:39:SER:CB	0.51	2.33	4	1
1:B:60:VAL:HG12	1:B:69:LEU:HA	0.51	1.82	11	1
1:A:25:LEU:HD13	1:B:24:ARG:HB3	0.51	1.82	16	2
1:A:56:PHE:HZ	1:A:71:ILE:HD11	0.51	1.65	19	1
1:A:25:LEU:HD12	1:B:28:LEU:CG	0.51	2.35	20	1
1:B:25:LEU:HD12	1:C:28:LEU:CG	0.51	2.35	20	1
1:A:43:ASN:HB3	1:C:43:ASN:CB	0.51	2.35	5	4
1:B:43:ASN:CB	1:C:43:ASN:HB3	0.51	2.35	5	4
1:A:51:VAL:HA	1:A:78:ASN:O	0.51	2.05	14	6
1:C:80:SER:HA	1:C:104:GLU:OE1	0.51	2.05	3	2
1:B:36:LEU:HD21	1:C:39:SER:CB	0.51	2.34	4	1
1:A:24:ARG:HD3	1:C:21:LEU:HD11	0.51	1.82	8	3
1:B:25:LEU:HD13	1:C:24:ARG:HB3	0.51	1.82	16	2
1:A:34:LYS:HD3	1:A:91:GLY:HA3	0.51	1.82	13	6
1:A:34:LYS:HD2	1:A:94:ASP:HB2	0.51	1.82	1	1
1:B:38:SER:HB2	1:B:68:ALA:HB1	0.51	1.82	5	2
1:C:60:VAL:HG12	1:C:69:LEU:HA	0.51	1.82	11	1
1:B:32:VAL:HG21	1:C:31:ARG:NH2	0.51	2.20	20	2
1:B:34:LYS:HD2	1:B:94:ASP:HB2	0.51	1.82	1	1
1:C:34:LYS:HD3	1:C:91:GLY:HA3	0.51	1.82	13	6
1:A:17:LYS:HB2	1:B:17:LYS:HE2	0.51	1.82	8	2
1:B:21:LEU:HD21	1:C:21:LEU:CD2	0.51	2.36	14	2
1:B:80:SER:HA	1:B:104:GLU:OE1	0.51	2.05	3	2
1:A:42:LEU:HB2	1:A:70:ALA:HB1	0.51	1.81	10	5
1:A:32:VAL:O	1:A:36:LEU:HB2	0.51	2.06	3	2
1:B:32:VAL:O	1:B:36:LEU:HB2	0.50	2.06	3	2
1:A:43:ASN:CB	1:B:43:ASN:HB3	0.50	2.35	5	4
1:A:32:VAL:HG21	1:B:31:ARG:NH2	0.50	2.20	20	3
1:C:33:ASP:OD2	1:C:64:ARG:HD2	0.50	2.06	19	2
1:C:50:GLY:CA	1:C:76:ARG:HB3	0.50	2.37	15	1
1:C:32:VAL:O	1:C:36:LEU:HB2	0.50	2.06	3	2
1:A:21:LEU:HD23	1:C:21:LEU:HD21	0.50	1.84	14	2
1:B:34:LYS:HD3	1:B:91:GLY:HA3	0.50	1.84	3	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:50:GLY:CA	1:B:76:ARG:HB3	0.50	2.37	15	1
1:A:17:LYS:HE2	1:C:17:LYS:HB2	0.50	1.83	8	2
1:B:56:PHE:HB2	1:C:105:TRP:CH2	0.50	2.41	12	1
1:B:47:GLN:OE1	1:B:84:LYS:HG2	0.50	2.06	13	1
1:C:47:GLN:OE1	1:C:84:LYS:HG2	0.50	2.06	13	1
1:A:33:ASP:OD2	1:A:64:ARG:HD2	0.50	2.06	19	2
1:C:58:ALA:HB2	1:C:71:ILE:CD1	0.50	2.37	15	2
1:A:21:LEU:CD2	1:C:21:LEU:HD21	0.50	2.36	14	2
1:C:71:ILE:HG13	1:C:72:GLY:N	0.50	2.21	14	1
1:B:33:ASP:OD2	1:B:64:ARG:HD2	0.50	2.06	19	2
1:A:21:LEU:HD21	1:B:21:LEU:CD2	0.50	2.36	14	2
1:A:71:ILE:HG13	1:A:72:GLY:N	0.50	2.21	14	1
1:A:34:LYS:HD3	1:A:91:GLY:CA	0.50	2.37	5	1
1:C:75:TYR:CE2	1:C:77:VAL:HB	0.50	2.42	10	1
1:B:71:ILE:HG13	1:B:72:GLY:N	0.50	2.22	14	1
1:A:24:ARG:HB3	1:C:25:LEU:HD13	0.49	1.82	16	2
1:C:29:ASP:HA	1:C:32:VAL:HG22	0.49	1.84	10	4
1:A:50:GLY:CA	1:A:76:ARG:HB3	0.49	2.36	15	1
1:B:33:ASP:OD1	1:B:64:ARG:HB2	0.49	2.07	17	1
1:A:100:SER:CB	1:C:59:GLY:HA3	0.49	2.38	7	5
1:B:59:GLY:HA3	1:C:100:SER:CB	0.49	2.37	2	5
1:B:34:LYS:HD3	1:B:91:GLY:CA	0.49	2.37	5	1
1:A:33:ASP:OD1	1:A:64:ARG:HB2	0.49	2.07	17	1
1:C:33:ASP:OD1	1:C:64:ARG:HB2	0.49	2.07	17	1
1:C:56:PHE:HZ	1:C:71:ILE:HD11	0.49	1.64	19	1
1:C:33:ASP:HA	1:C:63:TYR:HD2	0.49	1.68	4	6
1:B:17:LYS:HB2	1:C:17:LYS:HE2	0.49	1.83	8	2
1:A:21:LEU:HD21	1:B:21:LEU:HD23	0.49	1.84	14	2
1:B:58:ALA:HB2	1:B:71:ILE:CD1	0.49	2.37	15	2
1:A:58:ALA:HB2	1:A:71:ILE:CD1	0.49	2.37	15	2
1:A:33:ASP:HA	1:A:63:TYR:HD2	0.49	1.68	4	7
1:B:29:ASP:HA	1:B:32:VAL:HG22	0.49	1.84	10	4
1:C:34:LYS:HD3	1:C:91:GLY:CA	0.49	2.37	5	1
1:B:75:TYR:CE2	1:B:77:VAL:HB	0.49	2.42	10	1
1:C:88:ALA:HB3	1:C:96:MET:SD	0.49	2.48	1	3
1:B:88:ALA:HB3	1:B:96:MET:SD	0.49	2.48	1	3
1:B:21:LEU:HD21	1:C:21:LEU:HD23	0.49	1.84	14	2
1:A:59:GLY:HA3	1:B:100:SER:CB	0.49	2.37	2	5
1:B:33:ASP:HA	1:B:63:TYR:HD2	0.49	1.68	4	7
1:A:75:TYR:CE2	1:A:77:VAL:HB	0.49	2.42	10	1
1:A:47:GLN:OE1	1:A:84:LYS:HG2	0.49	2.06	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:88:ALA:HB3	1:A:96:MET:SD	0.48	2.48	1	3
1:A:29:ASP:HA	1:A:32:VAL:HG22	0.48	1.84	10	3
1:A:54:VAL:HG23	1:A:74:GLY:O	0.48	2.09	11	1
1:B:45:LEU:HB3	1:C:102:ASN:OD1	0.48	2.08	8	3
1:A:34:LYS:HD2	1:A:91:GLY:CA	0.48	2.39	15	1
1:B:93:SER:O	1:B:93:SER:OG	0.48	2.27	6	3
1:C:30:THR:O	1:C:34:LYS:CG	0.48	2.62	6	1
1:B:34:LYS:HD2	1:B:91:GLY:CA	0.48	2.39	15	1
1:C:41:ALA:HB2	1:C:61:GLY:CA	0.48	2.39	9	1
1:A:45:LEU:HB3	1:B:102:ASN:OD1	0.48	2.08	8	3
1:A:102:ASN:OD1	1:C:45:LEU:HB3	0.48	2.08	8	3
1:C:54:VAL:HG23	1:C:74:GLY:O	0.48	2.09	11	1
1:B:101:PHE:HD2	1:B:103:ILE:HD11	0.48	1.69	11	1
1:A:50:GLY:HA3	1:A:76:ARG:CG	0.48	2.39	15	1
1:A:21:LEU:CD2	1:C:21:LEU:HD13	0.47	2.29	12	1
1:B:19:ARG:O	1:B:23:ASN:HB2	0.47	2.09	15	1
1:B:38:SER:HB2	1:B:88:ALA:HB1	0.47	1.85	20	1
1:B:59:GLY:HA3	1:C:100:SER:HB3	0.47	1.86	7	2
1:B:54:VAL:HG23	1:B:74:GLY:O	0.47	2.09	11	1
1:B:50:GLY:HA3	1:B:76:ARG:CG	0.47	2.39	15	1
1:B:56:PHE:HZ	1:B:71:ILE:HD11	0.47	1.65	19	1
1:B:54:VAL:HG13	1:C:105:TRP:HB3	0.47	1.85	1	1
1:A:59:GLY:HA3	1:B:100:SER:HB3	0.47	1.86	7	2
1:A:100:SER:HB3	1:C:59:GLY:HA3	0.47	1.86	7	2
1:A:90:ALA:O	1:A:94:ASP:HB2	0.47	2.09	14	4
1:B:41:ALA:HB2	1:B:61:GLY:CA	0.47	2.39	9	1
1:B:40:ALA:HA	1:C:43:ASN:HD21	0.47	1.70	14	1
1:A:19:ARG:O	1:A:23:ASN:HB2	0.47	2.09	15	1
1:C:31:ARG:HD3	1:C:34:LYS:HE3	0.47	1.87	1	2
1:C:90:ALA:O	1:C:94:ASP:HB2	0.47	2.09	5	4
1:B:30:THR:O	1:B:34:LYS:CG	0.47	2.62	6	1
1:C:19:ARG:O	1:C:23:ASN:HB2	0.47	2.09	15	1
1:C:34:LYS:HD2	1:C:91:GLY:CA	0.47	2.39	15	1
1:C:50:GLY:HA3	1:C:76:ARG:CG	0.47	2.39	15	1
1:C:38:SER:HB2	1:C:88:ALA:HB1	0.47	1.85	20	1
1:A:63:TYR:O	1:A:64:ARG:HB2	0.47	2.10	10	4
1:A:101:PHE:HD2	1:A:103:ILE:HD11	0.47	1.69	11	1
1:B:33:ASP:OD1	1:B:64:ARG:HD2	0.47	2.10	17	1
1:A:43:ASN:HB2	1:B:43:ASN:HB3	0.47	1.87	18	2
1:A:30:THR:O	1:A:34:LYS:CG	0.47	2.62	6	1
1:A:84:LYS:C	1:A:84:LYS:HD3	0.47	2.35	9	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:90:ALA:HB3	1:C:94:ASP:O	0.47	2.10	12	1
1:A:33:ASP:OD1	1:A:64:ARG:HD2	0.47	2.10	17	1
1:B:43:ASN:HB2	1:C:43:ASN:HB3	0.47	1.87	18	2
1:B:90:ALA:O	1:B:94:ASP:HB2	0.47	2.09	5	4
1:B:63:TYR:O	1:B:64:ARG:HB2	0.47	2.10	10	5
1:C:33:ASP:OD1	1:C:64:ARG:HD2	0.47	2.10	17	1
1:A:43:ASN:HB3	1:C:43:ASN:HB2	0.47	1.87	18	2
1:B:90:ALA:HB3	1:B:94:ASP:CB	0.47	2.40	16	3
1:C:90:ALA:HB3	1:C:94:ASP:CB	0.47	2.40	16	3
1:A:47:GLN:HG3	1:A:55:ASN:HB3	0.47	1.87	17	3
1:A:38:SER:HB2	1:A:88:ALA:HB1	0.47	1.85	20	1
1:C:63:TYR:O	1:C:64:ARG:HB2	0.46	2.10	10	4
1:C:57:THR:HG21	1:C:84:LYS:CE	0.46	2.41	8	1
1:A:43:ASN:HD21	1:C:40:ALA:HA	0.46	1.70	14	1
1:A:36:LEU:HD23	1:B:96:MET:SD	0.46	2.51	15	1
1:B:36:LEU:HD23	1:C:96:MET:SD	0.46	2.51	15	1
1:A:90:ALA:HB3	1:A:94:ASP:CB	0.46	2.40	16	3
1:B:36:LEU:HA	1:B:39:SER:OG	0.46	2.11	4	1
1:C:71:ILE:O	1:C:87:VAL:O	0.46	2.33	13	2
1:B:48:PRO:O	1:B:49:TYR:HB2	0.46	2.10	16	6
1:B:84:LYS:HD3	1:B:84:LYS:C	0.46	2.35	9	2
1:B:90:ALA:HB3	1:B:94:ASP:O	0.46	2.10	12	1
1:B:71:ILE:O	1:B:87:VAL:O	0.46	2.33	13	3
1:C:58:ALA:HB2	1:C:71:ILE:HG13	0.46	1.87	1	1
1:A:21:LEU:HD13	1:B:21:LEU:CD2	0.46	2.29	12	1
1:A:90:ALA:HB3	1:A:94:ASP:O	0.46	2.10	12	1
1:B:47:GLN:HG3	1:B:55:ASN:HB3	0.46	1.87	17	3
1:B:57:THR:HG21	1:B:84:LYS:CE	0.46	2.41	8	2
1:B:21:LEU:HD13	1:C:21:LEU:CD2	0.46	2.29	12	1
1:C:48:PRO:O	1:C:49:TYR:HB2	0.46	2.10	16	5
1:C:47:GLN:HG3	1:C:55:ASN:HB3	0.46	1.87	17	3
1:A:31:ARG:HD3	1:A:34:LYS:HE3	0.46	1.87	1	2
1:A:58:ALA:HB2	1:A:71:ILE:HG13	0.46	1.87	1	1
1:B:48:PRO:HD2	1:B:55:ASN:HB3	0.46	1.88	5	1
1:A:41:ALA:HB2	1:A:61:GLY:CA	0.46	2.39	9	1
1:B:31:ARG:HD3	1:B:34:LYS:HE3	0.46	1.87	1	2
1:A:96:MET:SD	1:C:36:LEU:HD23	0.46	2.51	15	1
1:A:71:ILE:O	1:A:87:VAL:O	0.45	2.33	13	3
1:B:58:ALA:HB2	1:B:71:ILE:HG13	0.45	1.87	1	1
1:B:30:THR:O	1:B:34:LYS:HG3	0.45	2.12	4	1
1:A:75:TYR:O	1:A:83:LEU:HB3	0.45	2.12	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:101:PHE:HD2	1:C:103:ILE:HD11	0.45	1.69	11	1
1:A:40:ALA:HA	1:B:43:ASN:HD21	0.45	1.70	14	1
1:C:71:ILE:HG13	1:C:72:GLY:H	0.45	1.71	14	1
1:A:36:LEU:HA	1:A:39:SER:OG	0.45	2.11	4	1
1:A:48:PRO:O	1:A:49:TYR:HB2	0.45	2.10	16	5
1:A:28:LEU:HD11	1:C:25:LEU:HA	0.45	1.88	17	2
1:B:33:ASP:OD2	1:B:66:SER:HB3	0.45	2.11	17	2
1:A:24:ARG:HD2	1:C:25:LEU:HD13	0.45	1.89	3	1
1:A:25:LEU:HG	1:B:24:ARG:HE	0.45	1.70	9	1
1:A:71:ILE:HG13	1:A:72:GLY:H	0.45	1.71	14	1
1:A:57:THR:HG21	1:A:84:LYS:CE	0.45	2.41	8	2
1:A:24:ARG:HE	1:C:25:LEU:HG	0.45	1.70	9	1
1:C:84:LYS:HD3	1:C:84:LYS:C	0.45	2.35	9	2
1:A:69:LEU:HD12	1:A:70:ALA:N	0.45	2.27	15	2
1:B:60:VAL:HG12	1:B:69:LEU:HD13	0.45	1.89	17	1
1:A:77:VAL:O	1:A:78:ASN:HB2	0.45	2.12	3	2
1:C:77:VAL:O	1:C:78:ASN:HB2	0.45	2.12	3	2
1:B:57:THR:O	1:B:72:GLY:O	0.45	2.35	17	4
1:A:48:PRO:HD3	1:B:102:ASN:ND2	0.45	2.27	12	1
1:B:71:ILE:HG13	1:B:72:GLY:H	0.45	1.72	14	1
1:C:46:PHE:O	1:C:47:GLN:CB	0.45	2.65	4	1
1:B:46:PHE:O	1:B:47:GLN:CB	0.45	2.65	4	1
1:C:33:ASP:O	1:C:63:TYR:HB3	0.45	2.12	4	1
1:C:75:TYR:O	1:C:83:LEU:HB3	0.45	2.12	8	2
1:A:102:ASN:ND2	1:C:48:PRO:HD3	0.45	2.27	12	1
1:A:96:MET:SD	1:C:36:LEU:CD2	0.45	3.05	15	1
1:C:57:THR:O	1:C:72:GLY:O	0.45	2.35	17	3
1:A:57:THR:O	1:A:72:GLY:O	0.45	2.35	17	5
1:C:48:PRO:HD2	1:C:55:ASN:HB3	0.45	1.88	5	1
1:B:25:LEU:HG	1:C:24:ARG:HE	0.45	1.70	9	1
1:B:36:LEU:HD21	1:C:36:LEU:HA	0.45	1.89	13	1
1:A:33:ASP:OD2	1:A:66:SER:HB3	0.45	2.11	17	2
1:A:46:PHE:O	1:A:47:GLN:CB	0.45	2.65	4	1
1:B:75:TYR:O	1:B:83:LEU:HB3	0.45	2.12	8	2
1:C:90:ALA:HB3	1:C:94:ASP:HB2	0.45	1.88	17	3
1:A:56:PHE:CE2	1:A:71:ILE:HD11	0.45	2.47	15	1
1:B:36:LEU:CD2	1:C:96:MET:SD	0.45	3.05	15	1
1:B:69:LEU:HD12	1:B:70:ALA:N	0.45	2.27	15	1
1:B:90:ALA:HB3	1:B:94:ASP:HB2	0.45	1.88	17	3
1:B:25:LEU:HA	1:C:28:LEU:HD11	0.45	1.88	17	2
1:C:36:LEU:HA	1:C:39:SER:OG	0.44	2.11	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:50:GLY:HA3	1:A:76:ARG:HB3	0.44	1.89	9	1
1:A:36:LEU:CD2	1:B:96:MET:SD	0.44	3.05	15	1
1:B:56:PHE:CE2	1:B:71:ILE:HD11	0.44	2.47	15	1
1:A:25:LEU:HA	1:B:28:LEU:HD11	0.44	1.88	17	2
1:C:30:THR:O	1:C:34:LYS:HG3	0.44	2.12	4	1
1:C:50:GLY:HA3	1:C:76:ARG:HB3	0.44	1.89	9	1
1:A:90:ALA:HB3	1:A:94:ASP:HB2	0.44	1.88	17	3
1:C:56:PHE:CE2	1:C:71:ILE:HD11	0.44	2.47	15	1
1:C:69:LEU:HD12	1:C:70:ALA:N	0.44	2.27	15	1
1:C:60:VAL:HG12	1:C:69:LEU:HD13	0.44	1.89	17	1
1:A:28:LEU:CD1	1:C:28:LEU:HB3	0.44	2.43	1	1
1:B:77:VAL:O	1:B:78:ASN:HB2	0.44	2.11	3	2
1:A:30:THR:O	1:A:34:LYS:HG3	0.44	2.12	4	1
1:B:48:PRO:HD3	1:C:102:ASN:ND2	0.44	2.27	12	1
1:A:60:VAL:HG12	1:A:69:LEU:HD13	0.44	1.89	17	1
1:A:33:ASP:O	1:A:63:TYR:HB3	0.44	2.12	4	1
1:C:45:LEU:N	1:C:45:LEU:CD2	0.44	2.81	15	3
1:A:28:LEU:HB3	1:B:28:LEU:CD1	0.44	2.43	1	1
1:C:27:LYS:O	1:C:31:ARG:HG2	0.44	2.13	1	2
1:B:27:LYS:O	1:B:31:ARG:HG2	0.44	2.13	1	2
1:B:34:LYS:HD2	1:B:94:ASP:CB	0.44	2.43	1	1
1:B:50:GLY:HA3	1:B:76:ARG:HB3	0.44	1.89	9	1
1:A:50:GLY:HA3	1:A:76:ARG:HD2	0.44	1.90	10	1
1:A:84:LYS:HD3	1:A:85:ALA:N	0.44	2.28	12	1
1:B:84:LYS:HD3	1:B:85:ALA:N	0.44	2.28	12	1
1:A:27:LYS:O	1:A:31:ARG:HG2	0.44	2.13	1	2
1:B:28:LEU:HB3	1:C:28:LEU:CD1	0.44	2.43	1	1
1:A:48:PRO:HD2	1:A:55:ASN:HB3	0.44	1.88	5	1
1:A:25:LEU:HD13	1:B:24:ARG:HD2	0.43	1.89	3	1
1:B:25:LEU:HD13	1:C:24:ARG:HD2	0.43	1.89	3	1
1:B:63:TYR:HA	1:C:96:MET:HB2	0.43	1.89	3	2
1:B:53:LYS:O	1:B:75:TYR:CD1	0.43	2.71	10	1
1:A:36:LEU:HA	1:C:36:LEU:HD21	0.43	1.89	13	1
1:A:60:VAL:CG1	1:A:69:LEU:HD12	0.43	2.43	5	1
1:A:53:LYS:O	1:A:75:TYR:CD1	0.43	2.71	10	1
1:C:53:LYS:O	1:C:75:TYR:CD1	0.43	2.71	10	1
1:C:33:ASP:OD2	1:C:66:SER:HB3	0.43	2.12	17	2
1:B:76:ARG:HD3	1:B:82:ALA:HB2	0.43	1.90	19	1
1:A:34:LYS:HD2	1:A:94:ASP:CB	0.43	2.43	1	1
1:B:33:ASP:O	1:B:63:TYR:HB3	0.43	2.12	4	1
1:B:76:ARG:HG3	1:B:82:ALA:CB	0.43	2.44	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:36:LEU:HD21	1:B:36:LEU:HA	0.43	1.89	13	1
1:A:96:MET:HB2	1:C:63:TYR:HA	0.43	1.90	6	2
1:B:18:PHE:O	1:B:22:ASP:OD2	0.43	2.37	16	2
1:C:27:LYS:HZ1	1:C:28:LEU:HD22	0.43	1.72	8	1
1:A:45:LEU:N	1:A:45:LEU:CD2	0.43	2.81	15	3
1:A:63:TYR:HA	1:B:96:MET:HB2	0.43	1.90	3	2
1:B:60:VAL:CG1	1:B:69:LEU:HD12	0.43	2.43	5	1
1:C:60:VAL:CG1	1:C:69:LEU:HD12	0.43	2.43	5	1
1:C:82:ALA:HB3	1:C:102:ASN:ND2	0.43	2.29	12	1
1:B:45:LEU:N	1:B:45:LEU:CD2	0.43	2.81	15	3
1:C:50:GLY:HA3	1:C:76:ARG:HD2	0.43	1.90	10	1
1:B:82:ALA:HB3	1:B:102:ASN:ND2	0.43	2.29	12	1
1:B:32:VAL:HG21	1:C:31:ARG:HH22	0.43	1.74	20	1
1:A:56:PHE:O	1:B:103:ILE:HG13	0.43	2.14	1	1
1:B:27:LYS:HZ1	1:B:28:LEU:HD22	0.43	1.74	8	1
1:B:58:ALA:O	1:C:101:PHE:O	0.43	2.37	9	1
1:C:76:ARG:HD3	1:C:82:ALA:HB2	0.43	1.90	19	1
1:C:34:LYS:HD2	1:C:94:ASP:CB	0.43	2.43	1	1
1:A:27:LYS:HZ1	1:A:28:LEU:HD22	0.43	1.73	8	1
1:A:76:ARG:HD3	1:A:82:ALA:HB2	0.43	1.90	19	1
1:B:56:PHE:O	1:C:103:ILE:HG13	0.42	2.14	1	1
1:A:58:ALA:O	1:B:101:PHE:O	0.42	2.37	9	1
1:A:101:PHE:O	1:C:58:ALA:O	0.42	2.37	9	1
1:A:76:ARG:HG3	1:A:82:ALA:CB	0.42	2.44	9	1
1:C:18:PHE:O	1:C:22:ASP:OD2	0.42	2.37	16	2
1:A:61:GLY:O	1:A:67:GLN:HG2	0.42	2.15	15	1
1:B:82:ALA:HB3	1:B:102:ASN:O	0.42	2.15	5	1
1:B:61:GLY:O	1:B:67:GLN:HG2	0.42	2.15	15	1
1:B:27:LYS:O	1:B:31:ARG:HD3	0.42	2.15	13	2
1:C:27:LYS:O	1:C:31:ARG:HD3	0.42	2.15	13	2
1:C:84:LYS:HD3	1:C:85:ALA:N	0.42	2.28	12	1
1:A:18:PHE:O	1:A:22:ASP:OD2	0.42	2.37	16	2
1:B:48:PRO:HD3	1:C:102:ASN:CB	0.42	2.45	15	1
1:C:61:GLY:O	1:C:67:GLN:HG2	0.42	2.15	15	1
1:A:32:VAL:HG21	1:B:31:ARG:HH22	0.42	1.74	20	1
1:A:82:ALA:HB3	1:A:102:ASN:O	0.42	2.15	5	1
1:C:82:ALA:HB3	1:C:102:ASN:O	0.42	2.15	5	1
1:B:55:ASN:HA	1:C:105:TRP:H	0.42	1.75	1	1
1:C:76:ARG:HG3	1:C:82:ALA:CB	0.42	2.44	9	1
1:B:25:LEU:HD12	1:C:24:ARG:HB3	0.42	1.91	10	1
1:A:27:LYS:O	1:A:31:ARG:HD3	0.42	2.15	13	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:102:ASN:CB	1:C:48:PRO:HD3	0.42	2.45	15	1
1:A:48:PRO:HG3	1:B:102:ASN:HB3	0.42	1.92	5	1
1:A:82:ALA:HB3	1:A:102:ASN:ND2	0.42	2.29	12	1
1:A:48:PRO:HD3	1:B:102:ASN:CB	0.42	2.45	15	1
1:B:50:GLY:HA3	1:B:76:ARG:HD2	0.42	1.90	10	1
1:C:54:VAL:HB	1:C:75:TYR:CE2	0.42	2.50	17	2
1:B:54:VAL:HB	1:B:75:TYR:CE2	0.41	2.50	17	2
1:B:58:ALA:CB	1:B:71:ILE:CD1	0.41	2.98	15	1
1:B:51:VAL:HG12	1:B:53:LYS:CE	0.41	2.41	16	1
1:A:54:VAL:HB	1:A:75:TYR:CE2	0.41	2.50	17	1
1:A:51:VAL:HG23	1:A:79:GLU:CG	0.41	2.45	3	1
1:B:63:TYR:O	1:B:65:SER:N	0.41	2.54	6	2
1:A:51:VAL:O	1:A:78:ASN:HA	0.41	2.15	4	1
1:A:24:ARG:HB3	1:C:25:LEU:HD12	0.41	1.91	10	1
1:A:25:LEU:HD12	1:B:24:ARG:HB3	0.41	1.91	10	1
1:A:31:ARG:HH22	1:C:32:VAL:HG21	0.41	1.74	20	1
1:A:103:ILE:HG13	1:C:56:PHE:O	0.41	2.14	1	1
1:B:51:VAL:HG23	1:B:79:GLU:CG	0.41	2.45	3	1
1:C:51:VAL:O	1:C:78:ASN:HA	0.41	2.15	4	1
1:A:48:PRO:O	1:B:104:GLU:HG2	0.41	2.15	5	1
1:A:58:ALA:CB	1:A:71:ILE:CD1	0.41	2.98	15	1
1:C:51:VAL:HG12	1:C:53:LYS:CE	0.41	2.41	16	2
1:A:104:GLU:HG2	1:C:48:PRO:O	0.41	2.15	5	1
1:C:21:LEU:HD13	1:C:21:LEU:C	0.41	2.41	10	1
1:C:59:GLY:O	1:C:69:LEU:HD12	0.41	2.16	12	1
1:C:39:SER:HA	1:C:96:MET:SD	0.41	2.56	14	1
1:A:21:LEU:HD13	1:A:21:LEU:C	0.41	2.41	10	1
1:A:37:ALA:HB1	1:A:62:GLY:HA2	0.41	1.91	10	1
1:A:28:LEU:CD1	1:C:25:LEU:HD12	0.41	2.44	18	1
1:A:42:LEU:HD23	1:A:98:ASN:OD1	0.41	2.16	1	1
1:B:42:LEU:HD23	1:B:98:ASN:OD1	0.41	2.16	1	1
1:C:51:VAL:HG23	1:C:79:GLU:CG	0.41	2.45	3	1
1:B:47:GLN:HB3	1:B:55:ASN:HB2	0.41	1.92	5	1
1:C:47:GLN:OE1	1:C:74:GLY:HA3	0.41	2.16	9	1
1:B:37:ALA:HB1	1:B:62:GLY:HA2	0.41	1.91	10	1
1:B:21:LEU:C	1:B:21:LEU:HD13	0.41	2.41	10	1
1:C:37:ALA:HB1	1:C:62:GLY:HA2	0.41	1.91	10	1
1:B:59:GLY:O	1:B:69:LEU:HD12	0.41	2.16	12	1
1:C:58:ALA:CB	1:C:71:ILE:CD1	0.41	2.98	15	1
1:C:69:LEU:HD12	1:C:70:ALA:H	0.41	1.75	15	1
1:A:25:LEU:HD13	1:B:24:ARG:CB	0.41	2.46	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:63:TYR:HD1	1:B:96:MET:HB3	0.41	1.76	11	1
1:A:25:LEU:HD13	1:B:24:ARG:CD	0.41	2.45	15	1
1:A:29:ASP:O	1:A:32:VAL:HG22	0.41	2.15	16	1
1:A:24:ARG:CB	1:C:25:LEU:HD13	0.41	2.46	17	1
1:B:21:LEU:HD13	1:C:17:LYS:HZ3	0.41	1.76	19	1
1:A:71:ILE:HG12	1:A:72:GLY:N	0.41	2.31	2	1
1:B:71:ILE:HG12	1:B:72:GLY:N	0.41	2.31	3	1
1:C:63:TYR:O	1:C:65:SER:N	0.41	2.54	6	2
1:C:71:ILE:HG12	1:C:72:GLY:N	0.41	2.31	3	1
1:B:51:VAL:O	1:B:78:ASN:HA	0.41	2.15	4	1
1:A:47:GLN:OE1	1:A:74:GLY:HA3	0.41	2.16	9	1
1:C:33:ASP:OD1	1:C:64:ARG:HG3	0.41	2.16	10	1
1:B:63:TYR:HD1	1:C:96:MET:HB3	0.41	1.76	11	1
1:A:51:VAL:HG12	1:A:53:LYS:CE	0.41	2.41	16	1
1:C:29:ASP:O	1:C:32:VAL:HG22	0.41	2.15	16	1
1:A:60:VAL:HG12	1:A:69:LEU:CD1	0.41	2.46	17	1
1:B:25:LEU:HD13	1:C:24:ARG:CB	0.41	2.46	17	1
1:B:25:LEU:HD12	1:C:28:LEU:CD1	0.41	2.44	18	1
1:B:21:LEU:HD12	1:B:21:LEU:HA	0.41	1.79	2	1
1:A:71:ILE:CG1	1:A:72:GLY:N	0.41	2.84	3	1
1:A:47:GLN:HB3	1:A:55:ASN:HB2	0.41	1.92	5	1
1:B:33:ASP:OD1	1:B:64:ARG:HG3	0.41	2.16	10	1
1:A:76:ARG:NH2	1:C:48:PRO:HB2	0.41	2.31	18	1
1:A:28:LEU:HG	1:C:25:LEU:HD12	0.41	1.93	20	1
1:C:71:ILE:CG1	1:C:72:GLY:N	0.40	2.84	3	1
1:A:33:ASP:OD1	1:A:64:ARG:HG3	0.40	2.16	10	1
1:A:52:GLY:HA2	1:A:76:ARG:O	0.40	2.16	12	1
1:C:52:GLY:HA2	1:C:76:ARG:O	0.40	2.16	12	1
1:A:27:LYS:HZ2	1:C:25:LEU:HD11	0.40	1.76	18	1
1:B:48:PRO:O	1:C:104:GLU:HG2	0.40	2.15	5	1
1:B:48:PRO:HG3	1:C:102:ASN:HB3	0.40	1.92	5	1
1:A:63:TYR:O	1:A:65:SER:N	0.40	2.54	6	1
1:A:22:ASP:HA	1:B:24:ARG:NH2	0.40	2.32	9	1
1:A:69:LEU:HD12	1:A:70:ALA:H	0.40	1.75	15	1
1:B:29:ASP:O	1:B:32:VAL:HG22	0.40	2.15	16	1
1:A:50:GLY:HA3	1:A:76:ARG:CB	0.40	2.47	1	1
1:A:28:LEU:HD11	1:C:28:LEU:HB3	0.40	1.94	4	1
1:A:21:LEU:HD12	1:A:21:LEU:HA	0.40	1.80	6	1
1:A:78:ASN:O	1:A:79:GLU:HB3	0.40	2.16	11	1
1:A:24:ARG:CD	1:C:25:LEU:HD13	0.40	2.47	17	2
1:B:61:GLY:HA3	1:C:98:ASN:ND2	0.40	2.32	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:50:GLY:HA3	1:B:76:ARG:CB	0.40	2.47	1	1
1:A:28:LEU:HB3	1:B:28:LEU:HD11	0.40	1.94	4	1
1:A:98:ASN:ND2	1:C:61:GLY:HA3	0.40	2.32	15	1
1:A:102:ASN:HB3	1:C:48:PRO:HG3	0.40	1.92	5	1
1:A:36:LEU:HB2	1:A:63:TYR:CD2	0.40	2.52	14	1
1:B:36:LEU:HB2	1:B:63:TYR:CD2	0.40	2.52	14	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	88/105 (84%)	74±2 (84±2%)	8±2 (10±2%)	6±1 (6±1%)	2	18
1	B	88/105 (84%)	74±2 (84±2%)	8±2 (10±2%)	6±1 (6±1%)	2	18
1	C	88/105 (84%)	74±2 (84±2%)	8±2 (10±2%)	6±1 (6±1%)	2	18
All	All	5280/6300 (84%)	4442 (84%)	508 (10%)	330 (6%)	2	18

All 36 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	47	GLN	20
1	A	52	GLY	20
1	B	47	GLN	20
1	B	52	GLY	20
1	C	47	GLN	20
1	C	52	GLY	20
1	A	64	ARG	19
1	B	64	ARG	19
1	C	64	ARG	19
1	A	50	GLY	18
1	B	50	GLY	18
1	C	50	GLY	18
1	A	79	GLU	8

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Mol	Chain	Res	Type	Models (Total)
1	B	79	GLU	8
1	C	79	GLU	8
1	A	91	GLY	7
1	B	91	GLY	7
1	C	91	GLY	7
1	A	78	ASN	6
1	B	78	ASN	6
1	C	78	ASN	6
1	A	46	PHE	4
1	B	46	PHE	4
1	C	46	PHE	4
1	A	49	TYR	3
1	A	93	SER	3
1	B	49	TYR	3
1	B	93	SER	3
1	C	49	TYR	3
1	C	93	SER	3
1	A	92	SER	1
1	B	92	SER	1
1	C	92	SER	1
1	A	80	SER	1
1	B	80	SER	1
1	C	80	SER	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	67/80 (84%)	58±2 (86±3%)	9±2 (14±3%)	6	45
1	B	67/80 (84%)	58±2 (86±3%)	9±2 (14±3%)	6	45
1	C	68/80 (85%)	59±2 (87±3%)	9±2 (13±3%)	6	45
All	All	4040/4800 (84%)	3492 (86%)	548 (14%)	6	45

All 105 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	36	LEU	17
1	B	36	LEU	17
1	C	36	LEU	17
1	A	17	LYS	15
1	A	53	LYS	15
1	B	17	LYS	15
1	B	53	LYS	15
1	C	17	LYS	15
1	C	53	LYS	15
1	A	28	LEU	14
1	B	28	LEU	14
1	C	28	LEU	14
1	A	103	ILE	12
1	B	103	ILE	12
1	C	103	ILE	12
1	A	21	LEU	10
1	B	21	LEU	10
1	C	21	LEU	10
1	A	45	LEU	9
1	B	45	LEU	9
1	C	45	LEU	9
1	A	104	GLU	8
1	B	104	GLU	8
1	C	104	GLU	8
1	B	29	ASP	7
1	C	29	ASP	7
1	A	76	ARG	7
1	B	76	ARG	7
1	C	76	ARG	7
1	A	29	ASP	6
1	A	25	LEU	6
1	B	25	LEU	6
1	C	25	LEU	6
1	A	67	GLN	6
1	B	67	GLN	6
1	C	67	GLN	6
1	A	24	ARG	6
1	A	84	LYS	6
1	B	24	ARG	6
1	B	84	LYS	6
1	C	24	ARG	6
1	C	84	LYS	6
1	A	38	SER	5

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Mol	Chain	Res	Type	Models (Total)
1	A	83	LEU	5
1	A	94	ASP	5
1	B	38	SER	5
1	B	83	LEU	5
1	B	94	ASP	5
1	C	38	SER	5
1	C	83	LEU	5
1	C	94	ASP	5
1	A	42	LEU	5
1	B	42	LEU	5
1	C	42	LEU	5
1	A	69	LEU	4
1	B	69	LEU	4
1	C	69	LEU	4
1	A	44	SER	3
1	B	44	SER	3
1	C	44	SER	3
1	A	20	GLN	2
1	B	20	GLN	2
1	C	20	GLN	2
1	A	31	ARG	2
1	B	31	ARG	2
1	C	31	ARG	2
1	A	43	ASN	2
1	B	43	ASN	2
1	C	43	ASN	2
1	A	96	MET	1
1	B	96	MET	1
1	C	96	MET	1
1	A	54	VAL	1
1	B	54	VAL	1
1	C	54	VAL	1
1	A	34	LYS	1
1	B	34	LYS	1
1	C	34	LYS	1
1	A	39	SER	1
1	B	39	SER	1
1	C	39	SER	1
1	A	64	ARG	1
1	B	64	ARG	1
1	C	64	ARG	1
1	A	23	ASN	1

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Mol	Chain	Res	Type	Models (Total)
1	A	33	ASP	1
1	A	55	ASN	1
1	A	60	VAL	1
1	A	65	SER	1
1	A	95	VAL	1
1	B	23	ASN	1
1	B	33	ASP	1
1	B	55	ASN	1
1	B	60	VAL	1
1	B	65	SER	1
1	B	95	VAL	1
1	C	23	ASN	1
1	C	33	ASP	1
1	C	55	ASN	1
1	C	60	VAL	1
1	C	65	SER	1
1	C	95	VAL	1
1	A	87	VAL	1
1	B	87	VAL	1
1	C	87	VAL	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 14% for the well-defined parts and 12% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	497
Number of shifts mapped to atoms	497
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	95	-0.37 ± 0.23	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	81	-0.80 ± 0.31	Should be applied
$^{13}C'$	88	0.50 ± 0.27	None needed (imprecise)
^{15}N	89	1.39 ± 0.52	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 14%, i.e. 473 atoms were assigned a chemical shift out of a possible 3428. 0 out of 48 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	259/1349 (19%)	0/557 (0%)	174/530 (33%)	85/262 (32%)
Sidechain	176/1812 (10%)	0/1181 (0%)	176/544 (32%)	0/87 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	38/267 (14%)	0/126 (0%)	38/140 (27%)	0/1 (0%)
Overall	473/3428 (14%)	0/1864 (0%)	388/1214 (32%)	85/350 (24%)

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

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 12%, i.e. 490 atoms were assigned a chemical shift out of a possible 4053. 0 out of 48 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	271/1599 (17%)	0/660 (0%)	183/630 (29%)	88/309 (28%)
Sidechain	181/2055 (9%)	0/1335 (0%)	181/624 (29%)	0/96 (0%)
Aromatic	38/399 (10%)	0/195 (0%)	38/192 (20%)	0/12 (0%)
Overall	490/4053 (12%)	0/2190 (0%)	402/1446 (28%)	88/417 (21%)

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

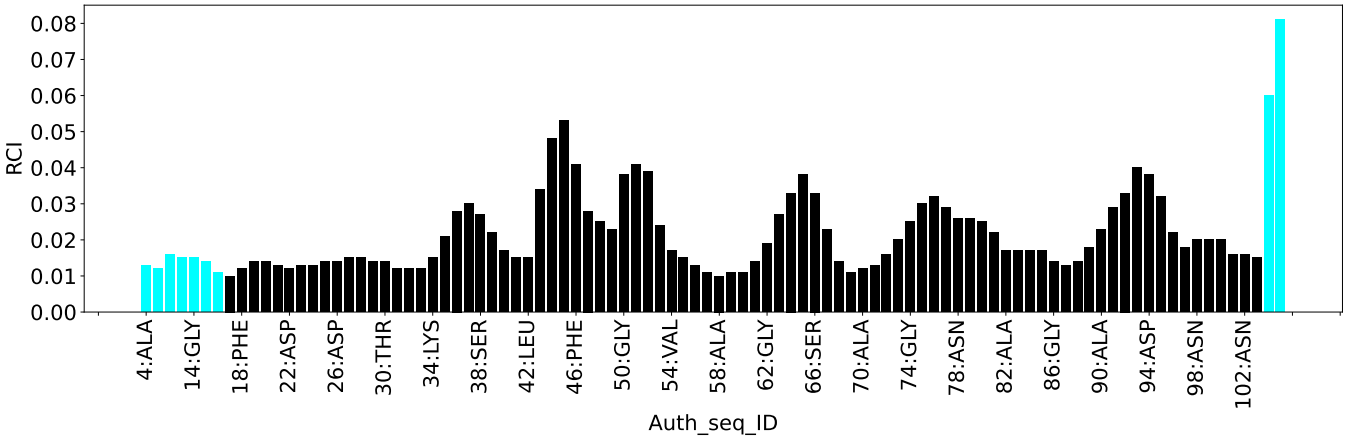
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:


RCI
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
4:ALA
14:GLY
18:PHE
22:ASP
26:ASP
30:THR
34:LYS
38:SER
42:LEU
46:PHE
50:GLY
54:VAL
58:ALA
62:GLY
66:SER
70:ALA
74:GLY
78:ASN
82:ALA
86:GLY
90:ALA
94:ASP
98:ASN
102:ASN
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	4418
Intra-residue (|i-j|=0)	54
Sequential (|i-j|=1)	2120
Medium range (|i-j|>1 and |i-j|<5)	870
Long range (|i-j|≥5)	705
Inter-chain	243
Hydrogen bond restraints	426
Disulfide bond restraints	0
Total dihedral-angle restraints	360
Number of unmapped restraints	0
Number of restraints per residue	15.2
Number of long range restraints per residue[1]	2.7

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	158.2	0.2
0.2-0.5 (Medium)	306.6	0.5
>0.5 (Large)	254.4	3.55

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	37.8	9.87
10.0-20.0 (Medium)	7.2	19.36
>20.0 (Large)	2.9	38.84

9 Distance violation analysis (i)

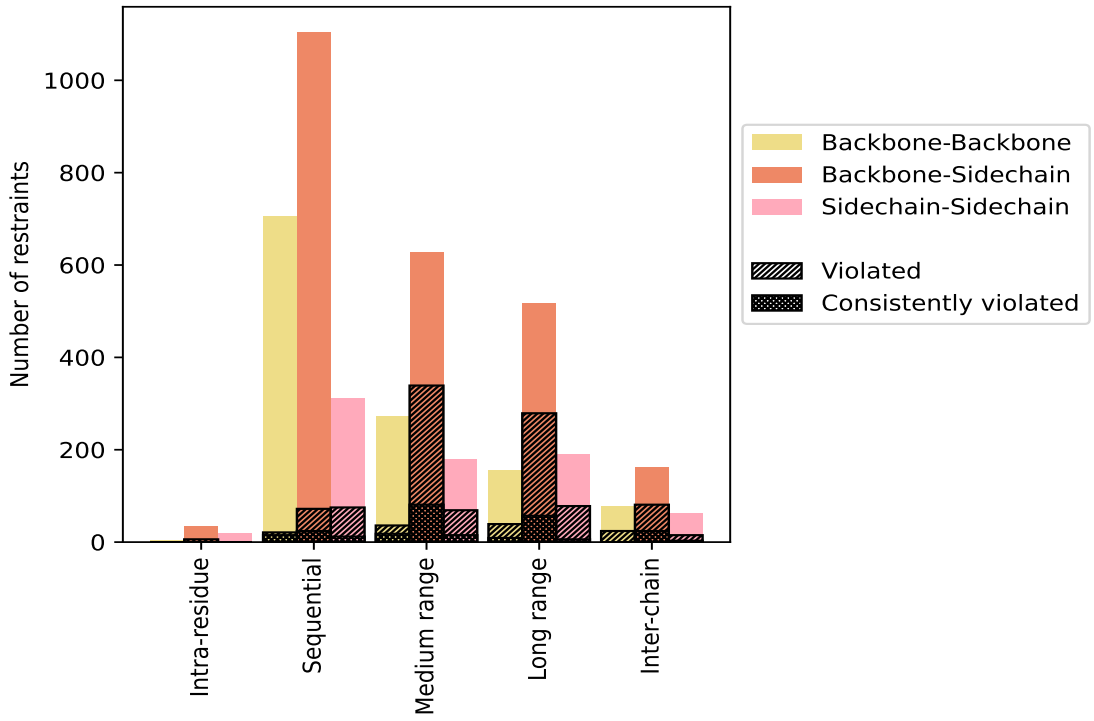
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	54	1.2	6	11.1	0.1	0	0.0	0.0
Backbone-Backbone	3	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	33	0.7	6	18.2	0.1	0	0.0	0.0
Sidechain-Sidechain	18	0.4	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	2120	48.0	168	7.9	3.8	51	2.4	1.2
Backbone-Backbone	705	16.0	21	3.0	0.5	15	2.1	0.3
Backbone-Sidechain	1104	25.0	72	6.5	1.6	24	2.2	0.5
Sidechain-Sidechain	311	7.0	75	24.1	1.7	12	3.9	0.3
Medium range (|i-j|>1 & |i-j|<5)	870	19.7	234	26.9	5.3	63	7.2	1.4
Backbone-Backbone	273	6.2	36	13.2	0.8	18	6.6	0.4
Backbone-Sidechain	417	9.4	129	30.9	2.9	30	7.2	0.7
Sidechain-Sidechain	180	4.1	69	38.3	1.6	15	8.3	0.3
Long range (|i-j|≥5)	705	16.0	240	34.0	5.4	36	5.1	0.8
Backbone-Backbone	156	3.5	39	25.0	0.9	9	5.8	0.2
Backbone-Sidechain	360	8.1	123	34.2	2.8	21	5.8	0.5
Sidechain-Sidechain	189	4.3	78	41.3	1.8	6	3.2	0.1
Inter-chain	243	5.5	60	24.7	1.4	6	2.5	0.1
Backbone-Backbone	78	1.8	24	30.8	0.5	0	0.0	0.0
Backbone-Sidechain	102	2.3	21	20.6	0.5	3	2.9	0.1
Sidechain-Sidechain	63	1.4	15	23.8	0.3	3	4.8	0.1
Hydrogen bond	426	9.6	426	100.0	9.6	108	25.4	2.4
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4418	100.0	1134	25.7	25.7	264	6.0	6.0
Backbone-Backbone	1215	27.5	120	9.9	2.7	42	3.5	1.0
Backbone-Sidechain	2442	55.3	777	31.8	17.6	186	7.6	4.2
Sidechain-Sidechain	761	17.2	237	31.1	5.4	36	4.7	0.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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	105	306	183	117	711	0.5	2.34	0.43	0.36
2	0	96	283	186	117	682	0.51	2.01	0.4	0.37
3	0	93	285	213	108	699	0.51	2.19	0.41	0.38
4	0	99	318	207	120	744	0.49	2.69	0.4	0.36
5	0	105	315	219	87	726	0.48	2.47	0.37	0.37
6	0	93	291	210	117	711	0.51	2.1	0.42	0.37
7	0	114	318	219	84	735	0.48	2.31	0.36	0.37
8	0	108	330	237	87	762	0.47	2.27	0.34	0.37
9	0	114	323	222	87	746	0.46	2.29	0.36	0.36
10	0	114	294	229	99	736	0.48	2.73	0.37	0.38

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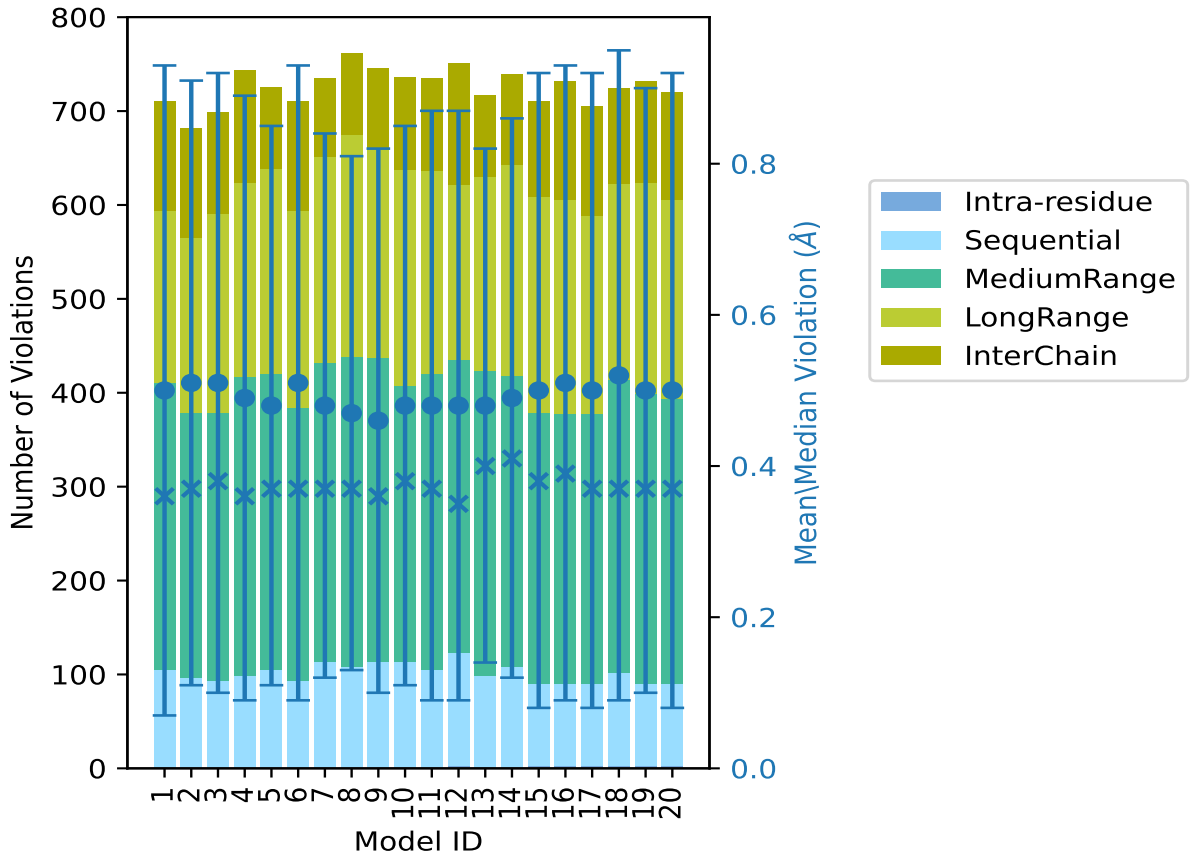
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	0	105	315	216	99	735	0.48	2.69	0.39	0.37
12	3	120	312	187	129	751	0.48	2.65	0.39	0.35
13	0	99	324	207	87	717	0.48	2.26	0.34	0.4
14	0	108	310	225	96	739	0.49	2.31	0.37	0.41
15	3	87	288	231	102	711	0.5	3.52	0.42	0.38
16	3	87	288	228	126	732	0.51	3.54	0.42	0.39
17	3	87	288	210	117	705	0.5	3.55	0.42	0.37
18	3	99	312	208	102	724	0.52	3.55	0.43	0.37
19	3	87	309	225	108	732	0.5	3.34	0.4	0.37
20	3	87	303	213	114	720	0.5	3.29	0.42	0.37

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

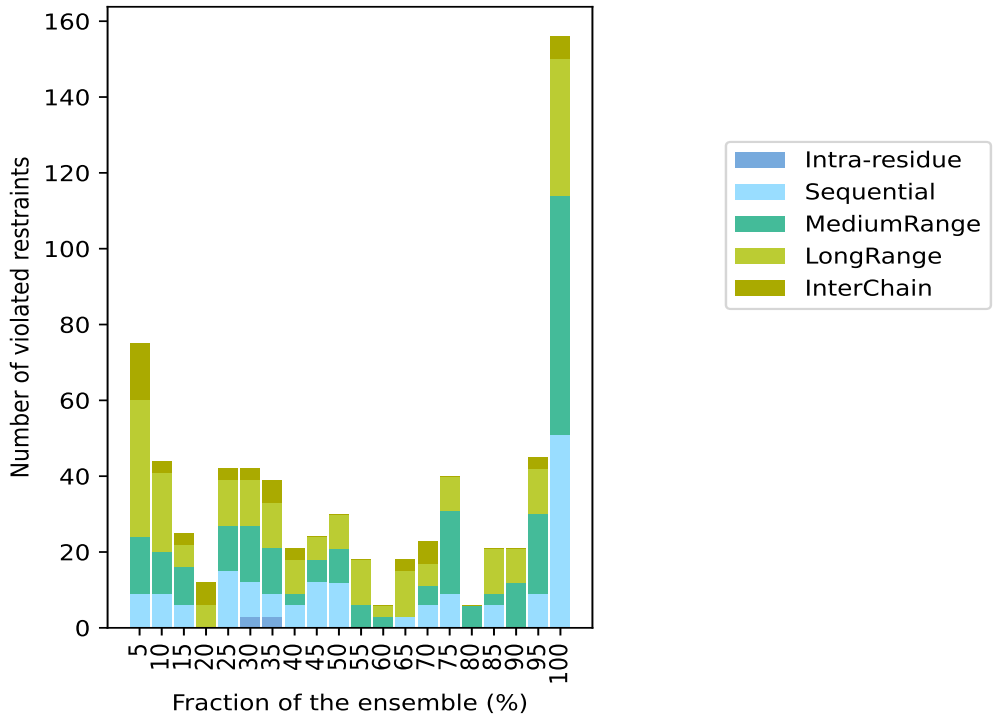
9.3 Distance violation statistics for the ensemble (i)

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, 3284(IR:48, SQ:1952, MR:636, LR:465, IC:183) 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	9	15	36	15	75	1	5.0
0	9	11	21	3	44	2	10.0
0	6	10	6	3	25	3	15.0
0	0	0	6	6	12	4	20.0
0	15	12	12	3	42	5	25.0
3	9	15	12	3	42	6	30.0
3	6	12	12	6	39	7	35.0
0	6	3	9	3	21	8	40.0
0	12	6	6	0	24	9	45.0
0	12	9	9	0	30	10	50.0
0	0	6	12	0	18	11	55.0
0	0	3	3	0	6	12	60.0
0	3	0	12	3	18	13	65.0
0	6	5	6	6	23	14	70.0
0	9	22	9	0	40	15	75.0
0	0	6	0	0	6	16	80.0
0	6	3	12	0	21	17	85.0
0	0	12	9	0	21	18	90.0
0	9	21	12	3	45	19	95.0
0	51	63	36	6	156	20	100.0

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

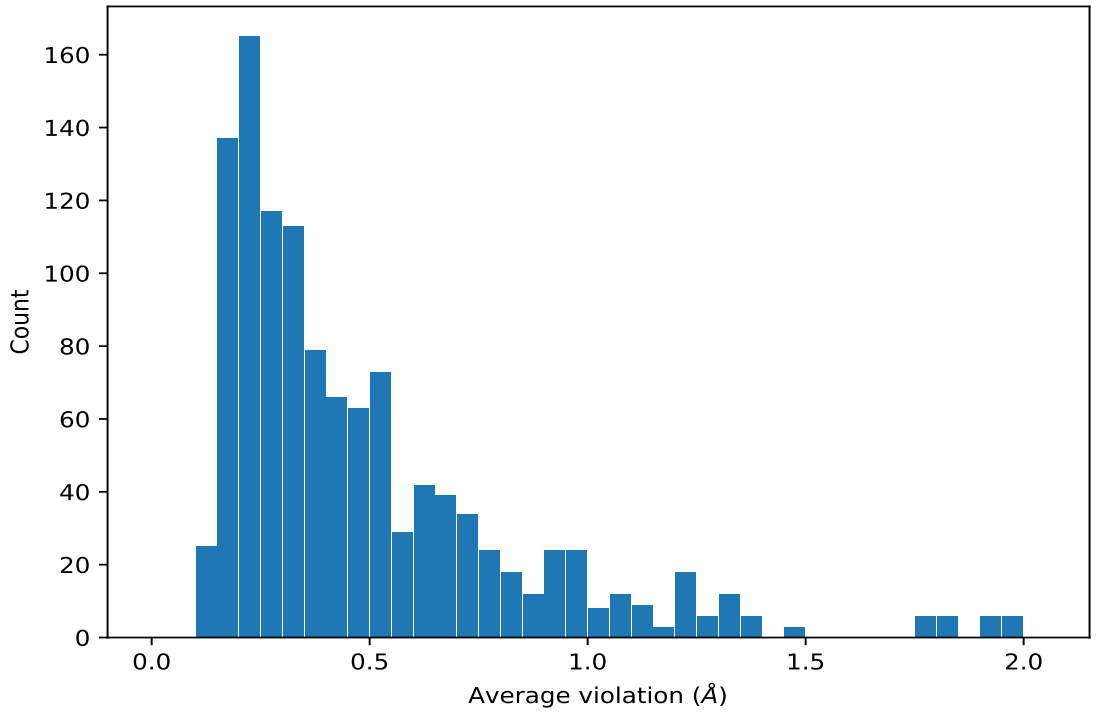
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance 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 distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	20	1.8	0.16	1.82
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	20	1.8	0.16	1.82
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	20	1.8	0.16	1.81
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	20	1.8	0.16	1.81
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	20	1.8	0.16	1.82
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	20	1.8	0.16	1.82
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	20	1.37	0.14	1.32
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	20	1.37	0.14	1.32
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	20	1.37	0.14	1.32
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	20	1.37	0.14	1.32
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	20	1.37	0.14	1.32
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	20	1.37	0.14	1.32
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	20	1.33	0.21	1.28
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	20	1.33	0.21	1.28
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	20	1.33	0.21	1.28
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	20	1.33	0.32	1.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	20	1.33	0.32	1.46
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	20	1.33	0.32	1.46
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	20	1.33	0.32	1.46
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	20	1.33	0.32	1.46
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	20	1.33	0.32	1.46
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	20	1.32	0.32	1.46
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	20	1.32	0.32	1.46
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	20	1.32	0.32	1.46
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	20	1.23	0.22	1.29
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	20	1.23	0.22	1.29
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	20	1.23	0.22	1.29
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	20	1.23	0.2	1.15
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	20	1.23	0.2	1.15
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	20	1.23	0.2	1.15
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	20	1.23	0.08	1.21
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	20	1.23	0.08	1.21
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	20	1.23	0.08	1.21
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	20	1.23	0.08	1.21
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	20	1.23	0.08	1.21
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	20	1.23	0.08	1.21
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	20	1.17	0.36	1.36
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	20	1.17	0.36	1.36
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	20	1.17	0.36	1.36
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	20	1.01	0.28	1.03
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	20	1.01	0.28	1.03
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	20	1.0	0.28	1.03
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	20	0.97	0.26	1.08
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	20	0.97	0.26	1.08
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	20	0.97	0.26	1.08
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	20	0.96	0.3	0.88
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	20	0.96	0.3	0.88
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	20	0.96	0.3	0.88
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	20	0.94	0.4	0.82
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	20	0.94	0.4	0.82
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	20	0.94	0.4	0.82
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	20	0.93	0.28	0.88
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	20	0.93	0.28	0.88
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	20	0.93	0.28	0.87
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	20	0.93	0.45	0.9
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	20	0.92	0.45	0.9
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	20	0.92	0.45	0.9
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	20	0.91	0.12	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	20	0.91	0.12	0.9
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	20	0.91	0.12	0.9
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	20	0.89	0.24	0.92
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	20	0.88	0.26	0.93
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	20	0.88	0.24	0.92
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	20	0.88	0.24	0.92
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	20	0.88	0.27	0.93
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	20	0.88	0.26	0.93
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	20	0.86	0.11	0.84
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	20	0.86	0.11	0.84
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	20	0.86	0.11	0.84
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	20	0.84	0.18	0.74
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	20	0.84	0.18	0.74
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	20	0.84	0.18	0.74
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	20	0.82	0.19	0.84
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	20	0.82	0.19	0.84
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	20	0.82	0.19	0.84
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	20	0.81	0.25	0.92
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	20	0.81	0.25	0.92
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	20	0.81	0.25	0.92
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	20	0.8	0.13	0.76
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	20	0.8	0.13	0.76
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	20	0.8	0.13	0.76
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	20	0.78	0.28	0.7
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	20	0.78	0.28	0.7
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	20	0.78	0.28	0.7
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	20	0.78	0.28	0.7
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	20	0.78	0.28	0.7
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	20	0.78	0.28	0.7
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	20	0.78	0.28	0.7
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	20	0.78	0.28	0.7
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	20	0.78	0.28	0.7
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	20	0.76	0.05	0.74
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	20	0.76	0.05	0.74
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	20	0.76	0.05	0.74
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	20	0.74	0.17	0.73
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	20	0.74	0.17	0.72
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	20	0.74	0.17	0.72
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	20	0.71	0.27	0.71
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	20	0.71	0.27	0.71
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	20	0.71	0.27	0.71
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	20	0.68	0.17	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	20	0.68	0.17	0.7
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	20	0.68	0.17	0.7
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	20	0.66	0.1	0.64
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	20	0.66	0.1	0.64
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	20	0.66	0.1	0.64
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	20	0.65	0.17	0.66
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	20	0.65	0.17	0.66
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	20	0.65	0.17	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	20	0.65	0.01	0.65
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	20	0.65	0.01	0.65
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	20	0.65	0.01	0.65
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	20	0.65	0.01	0.65
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	20	0.65	0.01	0.65
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	20	0.65	0.01	0.65
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	20	0.64	0.08	0.63
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	20	0.64	0.08	0.63
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	20	0.64	0.08	0.64
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	20	0.61	0.09	0.62
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	20	0.61	0.09	0.62
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	20	0.61	0.09	0.62
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	20	0.61	0.36	0.48
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	20	0.6	0.09	0.58
(1,1030)	1:25:A:LEU:HB2	1:27:A:LYS:HA	20	0.6	0.09	0.58
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	20	0.6	0.09	0.58
(1,2087)	1:25:B:LEU:HB2	1:27:B:LYS:HA	20	0.6	0.09	0.58
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	20	0.6	0.36	0.48
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	20	0.6	0.09	0.58
(1,3144)	1:25:C:LEU:HB2	1:27:C:LYS:HA	20	0.6	0.09	0.58
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	20	0.6	0.36	0.48
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	20	0.6	0.13	0.6
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	20	0.6	0.13	0.6
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	20	0.6	0.13	0.6
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	20	0.58	0.12	0.58
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	20	0.58	0.12	0.58
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	20	0.58	0.12	0.58
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	20	0.57	0.03	0.57
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	20	0.57	0.03	0.57
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	20	0.57	0.03	0.57
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	20	0.57	0.12	0.59
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	20	0.57	0.12	0.59
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	20	0.57	0.12	0.6
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	20	0.56	0.13	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	20	0.56	0.13	0.53
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	20	0.56	0.13	0.53
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	20	0.55	0.11	0.52
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	20	0.55	0.11	0.52
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	20	0.55	0.11	0.52
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	20	0.54	0.15	0.52
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	20	0.54	0.15	0.52
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	20	0.54	0.15	0.52
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	20	0.54	0.15	0.52
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	20	0.54	0.15	0.52
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	20	0.54	0.15	0.52
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	20	0.52	0.2	0.46
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	20	0.52	0.2	0.46
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	20	0.52	0.08	0.51
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	20	0.52	0.2	0.46
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	20	0.52	0.08	0.51
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	20	0.52	0.08	0.51
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	20	0.52	0.04	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	20	0.52	0.04	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	20	0.52	0.04	0.53
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	20	0.52	0.04	0.54
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	20	0.52	0.04	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	20	0.52	0.04	0.54
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	20	0.52	0.15	0.5
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	20	0.52	0.15	0.5
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	20	0.51	0.15	0.5
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	20	0.51	0.16	0.46
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	20	0.51	0.16	0.46
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	20	0.51	0.16	0.46
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	20	0.51	0.21	0.51
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	20	0.51	0.21	0.51
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	20	0.5	0.21	0.5
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	20	0.5	0.16	0.5
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	20	0.5	0.16	0.5
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	20	0.5	0.16	0.5
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	20	0.5	0.13	0.45
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	20	0.5	0.13	0.45
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	20	0.5	0.13	0.45
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	20	0.5	0.12	0.46
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	20	0.5	0.12	0.46
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	20	0.5	0.12	0.46
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	20	0.49	0.2	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	20	0.49	0.2	0.46
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	20	0.49	0.2	0.46
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	20	0.48	0.21	0.4
(1,3781)	1:23:B:ASN:CB	1:25:A:LEU:CG	20	0.48	0.21	0.4
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	20	0.48	0.21	0.4
(1,3588)	1:23:A:ASN:CB	1:25:C:LEU:CG	20	0.48	0.21	0.4
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	20	0.48	0.2	0.4
(1,3974)	1:23:C:ASN:CB	1:25:B:LEU:CG	20	0.48	0.2	0.4
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	20	0.47	0.14	0.45
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	20	0.47	0.14	0.45
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	20	0.47	0.14	0.45
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	20	0.45	0.07	0.44
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	20	0.45	0.07	0.44
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	20	0.45	0.07	0.44
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	20	0.44	0.1	0.44
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	20	0.44	0.1	0.44
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	20	0.44	0.1	0.44
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	20	0.43	0.05	0.44
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	20	0.43	0.05	0.44
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	20	0.43	0.05	0.44
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	20	0.43	0.16	0.46
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	20	0.43	0.16	0.46
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	20	0.43	0.16	0.46
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	20	0.43	0.14	0.42
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	20	0.43	0.14	0.42
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	20	0.43	0.14	0.42
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	20	0.42	0.13	0.43
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	20	0.42	0.13	0.43
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	20	0.42	0.13	0.43
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	20	0.41	0.07	0.44
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	20	0.41	0.07	0.44
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	20	0.41	0.07	0.44
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	20	0.41	0.17	0.4
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	20	0.41	0.17	0.4
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	20	0.41	0.17	0.4
(1,3704)	1:28:B:LEU:CG	1:30:A:THR:CA	20	0.4	0.16	0.38
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	20	0.4	0.16	0.38
(1,3512)	1:28:A:LEU:CG	1:30:C:THR:CA	20	0.4	0.16	0.38
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	20	0.4	0.16	0.38
(1,3897)	1:28:C:LEU:CG	1:30:B:THR:CA	20	0.4	0.16	0.38
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	20	0.4	0.16	0.38
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	20	0.4	0.05	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	20	0.4	0.05	0.4
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	20	0.4	0.05	0.4
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	20	0.38	0.12	0.38
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	20	0.38	0.12	0.38
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	20	0.38	0.12	0.38
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	20	0.38	0.13	0.35
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	20	0.38	0.13	0.35
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	20	0.38	0.13	0.35
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	20	0.36	0.01	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	20	0.36	0.01	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	20	0.36	0.01	0.36
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	20	0.36	0.09	0.36
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	20	0.36	0.09	0.36
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	20	0.36	0.1	0.36
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	20	0.35	0.16	0.3
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	20	0.35	0.16	0.3
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	20	0.35	0.16	0.3
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	20	0.35	0.22	0.26
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	20	0.35	0.22	0.26
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	20	0.35	0.22	0.26
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	20	0.35	0.1	0.38
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	20	0.35	0.1	0.38
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	20	0.35	0.1	0.38
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	20	0.34	0.08	0.34
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	20	0.34	0.08	0.34
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	20	0.34	0.08	0.34
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	20	0.34	0.15	0.3
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	20	0.34	0.15	0.3
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	20	0.34	0.15	0.3
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	20	0.33	0.12	0.34
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	20	0.33	0.12	0.34
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	20	0.33	0.12	0.34
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	20	0.33	0.12	0.32
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	20	0.33	0.12	0.32
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	20	0.33	0.12	0.32
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	20	0.33	0.12	0.3
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	20	0.33	0.12	0.3
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	20	0.33	0.12	0.3
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	20	0.31	0.13	0.32
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	20	0.31	0.13	0.32
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	20	0.31	0.13	0.32
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	20	0.3	0.13	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	20	0.3	0.13	0.31
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	20	0.3	0.13	0.31
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	20	0.3	0.13	0.28
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	20	0.3	0.13	0.28
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	20	0.3	0.13	0.28
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	20	0.29	0.1	0.27
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	20	0.29	0.1	0.27
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	20	0.29	0.1	0.27
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	20	0.29	0.04	0.3
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	20	0.29	0.04	0.3
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	20	0.29	0.04	0.3
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	20	0.28	0.11	0.29
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	20	0.28	0.11	0.29
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	20	0.28	0.11	0.29
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	20	0.28	0.12	0.24
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	20	0.28	0.12	0.24
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	20	0.28	0.12	0.24
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	20	0.27	0.13	0.24
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	20	0.27	0.13	0.23
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	20	0.27	0.13	0.23
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	20	0.26	0.09	0.24
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	20	0.26	0.09	0.24
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	20	0.26	0.09	0.24
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	20	0.24	0.08	0.23
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	20	0.24	0.08	0.23
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	20	0.24	0.08	0.22
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	20	0.23	0.08	0.22
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	20	0.22	0.08	0.22
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	20	0.22	0.08	0.22
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	20	0.18	0.04	0.18
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	20	0.18	0.04	0.18
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	20	0.18	0.04	0.18
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	19	1.97	0.44	2.13
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	19	1.97	0.44	2.13
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	19	1.97	0.44	2.13
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	19	1.92	1.06	1.32
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG2	19	1.92	1.06	1.32
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	19	1.92	1.06	1.32
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG2	19	1.92	1.06	1.32
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	19	1.92	1.06	1.32
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG2	19	1.92	1.06	1.32
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	19	1.76	0.38	1.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB2	19	1.76	0.38	1.7
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	19	1.76	0.38	1.7
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB2	19	1.76	0.38	1.7
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	19	1.76	0.38	1.7
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB2	19	1.76	0.38	1.7
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	19	1.2	0.24	1.15
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	19	1.2	0.24	1.15
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	19	1.2	0.24	1.15
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	19	1.05	0.29	1.17
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	19	1.05	0.29	1.17
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	19	1.05	0.29	1.17
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	19	1.05	0.29	1.17
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	19	1.05	0.29	1.17
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	19	1.05	0.29	1.17
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	19	0.73	0.46	0.52
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	19	0.73	0.46	0.52
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	19	0.73	0.46	0.52
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	19	0.71	0.31	0.8
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	19	0.71	0.31	0.8
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	19	0.71	0.31	0.8
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	19	0.71	0.31	0.8
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	19	0.71	0.31	0.8
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	19	0.71	0.31	0.8
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	19	0.64	0.33	0.65
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	19	0.64	0.33	0.65
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	19	0.64	0.33	0.65
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	19	0.61	0.15	0.63
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	19	0.61	0.15	0.63
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	19	0.61	0.15	0.63
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	19	0.53	0.25	0.61
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	19	0.53	0.25	0.61
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	19	0.53	0.25	0.61
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	19	0.49	0.1	0.48
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	19	0.49	0.1	0.48
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	19	0.49	0.1	0.48
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	19	0.42	0.13	0.45
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	19	0.42	0.13	0.45
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	19	0.42	0.13	0.45
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	19	0.42	0.21	0.37
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	19	0.42	0.21	0.37
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	19	0.42	0.21	0.37
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	19	0.4	0.12	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	19	0.4	0.11	0.4
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	19	0.4	0.11	0.4
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	19	0.39	0.1	0.37
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	19	0.39	0.1	0.37
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	19	0.39	0.1	0.37
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	19	0.36	0.16	0.37
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	19	0.36	0.16	0.37
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	19	0.36	0.16	0.37
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	19	0.35	0.11	0.34
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	19	0.35	0.11	0.34
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	19	0.35	0.11	0.34
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	19	0.35	0.15	0.34
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	19	0.34	0.15	0.34
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	19	0.34	0.15	0.34
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	19	0.32	0.08	0.33
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	19	0.32	0.08	0.33
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	19	0.32	0.08	0.33
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	19	0.31	0.18	0.24
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	19	0.31	0.18	0.24
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	19	0.31	0.18	0.24
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	19	0.31	0.1	0.29
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	19	0.31	0.1	0.29
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	19	0.31	0.1	0.29
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	19	0.31	0.09	0.32
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	19	0.31	0.09	0.33
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	19	0.31	0.09	0.32
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	19	0.3	0.11	0.29
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	19	0.3	0.11	0.29
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	19	0.3	0.11	0.29
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	19	0.27	0.1	0.29
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	19	0.27	0.1	0.29
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	19	0.27	0.1	0.29
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	19	0.25	0.09	0.24
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	19	0.25	0.09	0.24
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	19	0.25	0.09	0.24
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	19	0.22	0.07	0.22
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	19	0.22	0.07	0.22
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	19	0.22	0.07	0.22
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	19	0.18	0.05	0.19
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	19	0.18	0.05	0.19
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	19	0.18	0.05	0.19
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	18	1.28	0.43	1.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	18	1.28	0.43	1.44
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	18	1.28	0.43	1.43
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	18	1.28	0.43	1.43
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	18	1.28	0.43	1.44
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	18	1.28	0.43	1.44
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	18	1.06	0.52	1.17
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	18	1.06	0.52	1.17
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	18	1.06	0.52	1.17
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	18	0.73	0.57	0.66
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	18	0.73	0.57	0.66
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	18	0.73	0.57	0.66
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	18	0.73	0.57	0.66
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	18	0.73	0.57	0.66
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	18	0.73	0.57	0.66
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	18	0.7	0.41	0.94
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	18	0.7	0.41	0.94
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	18	0.7	0.41	0.94
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	18	0.54	0.2	0.56
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	18	0.54	0.2	0.56
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	18	0.54	0.2	0.56
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	18	0.54	0.2	0.56
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	18	0.54	0.2	0.56
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	18	0.54	0.2	0.56
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	18	0.4	0.16	0.42
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	18	0.4	0.16	0.42
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	18	0.4	0.16	0.42
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	18	0.36	0.25	0.24
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	18	0.36	0.25	0.24
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	18	0.36	0.25	0.24
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	18	0.34	0.15	0.31
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	18	0.34	0.15	0.31
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	18	0.34	0.15	0.31
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	18	0.34	0.14	0.36
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	18	0.34	0.14	0.36
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	18	0.34	0.14	0.36
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	18	0.32	0.16	0.29
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	18	0.32	0.15	0.29
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	18	0.32	0.15	0.29
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	18	0.32	0.13	0.29
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	18	0.32	0.13	0.29
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	18	0.32	0.13	0.29
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	18	0.3	0.1	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	18	0.3	0.1	0.29
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	18	0.3	0.1	0.29
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	18	0.27	0.1	0.26
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	18	0.27	0.1	0.26
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	18	0.27	0.1	0.26
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	18	0.27	0.09	0.26
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	18	0.27	0.09	0.26
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	18	0.27	0.09	0.26
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	18	0.27	0.11	0.26
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	18	0.27	0.11	0.26
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	18	0.27	0.11	0.26
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	18	0.26	0.12	0.24
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	18	0.26	0.12	0.24
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	18	0.26	0.12	0.24
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	18	0.22	0.07	0.21
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	18	0.22	0.07	0.21
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	18	0.22	0.07	0.21
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	18	0.19	0.06	0.2
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	17	0.9	0.47	1.12
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	17	0.9	0.47	1.12
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	17	0.9	0.47	1.12
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	17	0.7	0.3	0.63
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	17	0.7	0.3	0.63
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	17	0.7	0.3	0.63
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	17	0.7	0.3	0.63
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	17	0.7	0.3	0.63
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	17	0.7	0.3	0.63
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	17	0.47	0.28	0.46
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	17	0.47	0.28	0.46
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	17	0.47	0.28	0.46
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	17	0.46	0.17	0.48
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	17	0.46	0.17	0.48
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	17	0.46	0.17	0.48
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	17	0.46	0.17	0.48
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	17	0.46	0.17	0.48
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	17	0.46	0.17	0.48
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	17	0.37	0.11	0.38
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	17	0.37	0.11	0.38
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	17	0.37	0.11	0.38
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	17	0.36	0.13	0.42
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	17	0.36	0.13	0.42
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	17	0.36	0.13	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	17	0.31	0.13	0.26
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	17	0.31	0.13	0.26
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	17	0.31	0.13	0.26
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	17	0.3	0.1	0.27
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	17	0.3	0.1	0.27
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	17	0.3	0.1	0.27
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	17	0.28	0.14	0.25
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	17	0.28	0.14	0.25
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	17	0.28	0.14	0.25
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	17	0.28	0.14	0.25
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	17	0.28	0.14	0.25
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	17	0.28	0.14	0.25
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	17	0.28	0.11	0.27
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	17	0.28	0.11	0.27
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	17	0.28	0.11	0.27
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	17	0.27	0.09	0.28
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	17	0.26	0.09	0.28
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	17	0.26	0.09	0.28
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	17	0.25	0.09	0.22
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	17	0.25	0.09	0.21
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	17	0.25	0.09	0.21
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	17	0.23	0.09	0.22
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	17	0.23	0.09	0.22
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	17	0.23	0.1	0.22
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	17	0.2	0.06	0.22
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	17	0.2	0.06	0.22
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	16	0.62	0.21	0.56
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	16	0.62	0.21	0.56
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	16	0.62	0.21	0.56
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	16	0.54	0.22	0.45
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	16	0.54	0.22	0.45
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	16	0.54	0.22	0.45
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	16	0.39	0.13	0.36
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	16	0.39	0.13	0.36
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	16	0.39	0.13	0.36
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	16	0.38	0.14	0.36
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	16	0.38	0.15	0.37
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	16	0.38	0.15	0.36
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	16	0.36	0.23	0.24
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	16	0.36	0.23	0.24
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	16	0.36	0.23	0.24
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	16	0.3	0.17	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	16	0.3	0.17	0.24
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	16	0.3	0.17	0.24
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	16	0.24	0.1	0.22
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	16	0.24	0.1	0.22
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	16	0.24	0.1	0.22
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	16	0.24	0.08	0.22
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	16	0.24	0.08	0.22
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	16	0.24	0.08	0.22
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	16	0.22	0.1	0.18
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	16	0.22	0.1	0.18
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	16	0.22	0.1	0.18
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	16	0.22	0.08	0.21
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	16	0.22	0.08	0.21
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	16	0.22	0.08	0.2
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	16	0.2	0.08	0.16
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	16	0.2	0.08	0.16
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	16	0.2	0.08	0.16
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	15	1.95	0.46	2.08
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	15	1.95	0.46	2.08
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	15	1.95	0.46	2.08
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	15	0.81	0.68	0.39
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	15	0.81	0.68	0.39
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	15	0.81	0.68	0.39
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	15	0.72	0.24	0.82
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	15	0.72	0.24	0.82
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	15	0.72	0.24	0.81
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	15	0.69	0.42	0.5
(1,3571)	1:24:A:ARG:CD	1:26:A:ASP:CB	15	0.69	0.42	0.5
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	15	0.69	0.42	0.5
(1,3957)	1:24:C:ARG:CD	1:26:C:ASP:CB	15	0.69	0.42	0.5
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	15	0.69	0.42	0.5
(1,3764)	1:24:B:ARG:CD	1:26:B:ASP:CB	15	0.69	0.42	0.5
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	15	0.62	0.02	0.61
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	15	0.62	0.02	0.61
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	15	0.62	0.02	0.61
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	15	0.54	0.35	0.48
(1,3447)	1:23:A:ASN:CB	1:25:A:LEU:CD1	15	0.52	0.12	0.51
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	15	0.52	0.12	0.51
(1,3639)	1:23:B:ASN:CB	1:25:B:LEU:CD1	15	0.52	0.12	0.51
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	15	0.52	0.12	0.51
(1,3832)	1:23:C:ASN:CB	1:25:C:LEU:CD1	15	0.52	0.12	0.51
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	15	0.52	0.12	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	15	0.41	0.12	0.42
(1,3786)	1:40:B:ALA:CA	1:42:C:LEU:CD1	15	0.41	0.12	0.42
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	15	0.41	0.12	0.42
(1,3979)	1:40:C:ALA:CA	1:42:A:LEU:CD1	15	0.41	0.12	0.42
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	15	0.41	0.12	0.41
(1,3593)	1:40:A:ALA:CA	1:42:B:LEU:CD1	15	0.41	0.12	0.41
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	15	0.39	0.06	0.4
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	15	0.39	0.06	0.4
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	15	0.39	0.06	0.4
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	15	0.35	0.19	0.24
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	15	0.35	0.19	0.24
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	15	0.35	0.19	0.24
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	15	0.31	0.16	0.25
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	15	0.31	0.16	0.25
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	15	0.31	0.16	0.25
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	15	0.31	0.06	0.3
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	15	0.31	0.06	0.3
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	15	0.31	0.06	0.3
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	15	0.28	0.12	0.28
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	15	0.28	0.12	0.28
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	15	0.28	0.12	0.28
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	15	0.28	0.11	0.28
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	15	0.28	0.11	0.28
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	15	0.28	0.11	0.28
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	15	0.27	0.12	0.28
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	15	0.27	0.12	0.27
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	15	0.27	0.12	0.27
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	15	0.27	0.11	0.26
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	15	0.27	0.11	0.26
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	15	0.27	0.11	0.26
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	15	0.26	0.11	0.23
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	15	0.26	0.12	0.23
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	15	0.26	0.12	0.23
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	15	0.26	0.13	0.23
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	15	0.26	0.13	0.23
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	15	0.26	0.13	0.23
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	15	0.23	0.1	0.19
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	15	0.22	0.1	0.19
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	15	0.22	0.1	0.19
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	15	0.22	0.09	0.2
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	15	0.22	0.09	0.2
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	15	0.22	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	15	0.21	0.09	0.17
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	15	0.21	0.09	0.17
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	15	0.21	0.09	0.16
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	15	0.21	0.09	0.18
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	15	0.21	0.09	0.18
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	15	0.21	0.09	0.18
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	15	0.21	0.07	0.18
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	15	0.21	0.07	0.18
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	15	0.21	0.07	0.18
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	15	0.2	0.07	0.19
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	15	0.2	0.07	0.19
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	15	0.2	0.07	0.18
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	15	0.19	0.05	0.2
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	15	0.19	0.05	0.2
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	15	0.19	0.05	0.2
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	15	0.18	0.06	0.16
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	15	0.18	0.06	0.16
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	15	0.18	0.06	0.16
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	14	1.06	0.51	1.06
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	14	1.06	0.51	1.06
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	14	1.06	0.51	1.06
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	14	0.9	0.04	0.9
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	14	0.9	0.04	0.9
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	14	0.9	0.04	0.9
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	14	0.77	0.31	0.76
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	14	0.77	0.31	0.76
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	14	0.77	0.31	0.76
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	14	0.66	0.32	0.81
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	14	0.66	0.32	0.81
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	14	0.66	0.32	0.81
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	14	0.58	0.22	0.68
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	14	0.58	0.22	0.68
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	14	0.58	0.22	0.68
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	14	0.57	0.34	0.57
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	14	0.57	0.34	0.57
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	14	0.43	0.19	0.38
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	14	0.43	0.19	0.38
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	14	0.43	0.19	0.38
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	14	0.4	0.08	0.42
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	14	0.4	0.08	0.42
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	14	0.4	0.08	0.42
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	14	0.36	0.15	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	14	0.36	0.15	0.4
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	14	0.36	0.15	0.4
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	14	0.32	0.1	0.32
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	14	0.32	0.1	0.32
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	14	0.32	0.1	0.32
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	14	0.26	0.08	0.24
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	14	0.25	0.08	0.24
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	14	0.25	0.08	0.24
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	14	0.24	0.09	0.24
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	14	0.24	0.09	0.24
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	14	0.24	0.09	0.24
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	14	0.24	0.1	0.22
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	14	0.24	0.1	0.22
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	14	0.24	0.1	0.22
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	14	0.23	0.09	0.21
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	14	0.23	0.09	0.21
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	14	0.23	0.1	0.2
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	14	0.23	0.1	0.22
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	14	0.23	0.1	0.22
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	14	0.23	0.1	0.22
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	14	0.22	0.05	0.22
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	14	0.22	0.05	0.22
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	14	0.22	0.05	0.22
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	14	0.21	0.08	0.18
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	14	0.21	0.08	0.18
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	14	0.21	0.08	0.18
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	14	0.21	0.07	0.2
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	14	0.21	0.07	0.2
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	14	0.21	0.07	0.2
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	14	0.21	0.13	0.16
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	14	0.17	0.06	0.18
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	14	0.17	0.06	0.18
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	14	0.17	0.06	0.18
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	14	0.17	0.06	0.15
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	14	0.17	0.06	0.15
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	14	0.17	0.06	0.15
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	13	0.69	0.29	0.7
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	13	0.69	0.29	0.7
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	13	0.69	0.29	0.7
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	13	0.66	0.66	0.22
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	13	0.66	0.66	0.22
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	13	0.66	0.66	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	13	0.66	0.66	0.22
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	13	0.66	0.66	0.22
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	13	0.66	0.66	0.22
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	13	0.34	0.15	0.31
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	13	0.34	0.15	0.31
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	13	0.34	0.15	0.31
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	13	0.32	0.22	0.23
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	13	0.32	0.22	0.23
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	13	0.31	0.22	0.23
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	13	0.28	0.07	0.27
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	13	0.28	0.07	0.27
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	13	0.28	0.07	0.27
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	13	0.27	0.07	0.25
(1,3441)	1:42:A:LEU:HA	1:98:B:ASN:HB3	13	0.27	0.07	0.25
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	13	0.27	0.07	0.25
(1,3633)	1:42:B:LEU:HA	1:98:C:ASN:HB3	13	0.27	0.07	0.25
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	13	0.27	0.07	0.25
(1,3826)	1:42:C:LEU:HA	1:98:A:ASN:HB3	13	0.27	0.07	0.25
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	13	0.26	0.12	0.22
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	13	0.26	0.12	0.22
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	13	0.26	0.12	0.21
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	13	0.24	0.12	0.19
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	13	0.24	0.12	0.19
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	13	0.24	0.12	0.19
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	13	0.22	0.1	0.22
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	13	0.22	0.1	0.22
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	13	0.22	0.1	0.22
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	13	0.22	0.13	0.17
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	13	0.22	0.13	0.17
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	13	0.21	0.1	0.2
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	13	0.21	0.1	0.2
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	13	0.21	0.1	0.2
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	13	0.19	0.06	0.18
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	13	0.19	0.06	0.18
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	13	0.19	0.05	0.18
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	13	0.18	0.05	0.18
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	13	0.18	0.05	0.18
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	13	0.18	0.05	0.18
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	13	0.18	0.04	0.18
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	13	0.18	0.04	0.18
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	13	0.18	0.04	0.18
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	13	0.18	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	13	0.17	0.06	0.15
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	13	0.17	0.06	0.15
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	13	0.17	0.05	0.16
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	13	0.17	0.05	0.16
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	13	0.16	0.05	0.15
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	12	0.5	0.28	0.42
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	12	0.5	0.28	0.42
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	12	0.5	0.28	0.42
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	12	0.5	0.28	0.42
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	12	0.5	0.28	0.42
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	12	0.5	0.28	0.42
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	12	0.46	0.24	0.5
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG22	12	0.46	0.24	0.5
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	12	0.46	0.24	0.5
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG22	12	0.46	0.24	0.5
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	12	0.46	0.24	0.5
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG22	12	0.46	0.24	0.5
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	12	0.24	0.09	0.24
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	12	0.24	0.09	0.24
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	12	0.24	0.09	0.24
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	12	0.21	0.07	0.18
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	12	0.21	0.07	0.18
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	12	0.21	0.07	0.18
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	12	0.21	0.05	0.2
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	12	0.21	0.05	0.2
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	12	0.21	0.05	0.2
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	12	0.2	0.09	0.18
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	12	0.2	0.09	0.18
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	12	0.2	0.09	0.18
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	12	0.19	0.04	0.18
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	12	0.19	0.04	0.18
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	12	0.19	0.04	0.18
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	12	0.18	0.05	0.18
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	12	0.18	0.05	0.18
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	12	0.18	0.05	0.18
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	12	0.18	0.05	0.18
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	12	0.18	0.05	0.18
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	12	0.17	0.04	0.16
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	12	0.17	0.04	0.16
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	12	0.17	0.05	0.16
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	12	0.17	0.05	0.16
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	12	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	12	0.16	0.05	0.15
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	12	0.16	0.05	0.15
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	11	1.14	0.73	1.68
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	11	1.14	0.73	1.68
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	11	1.14	0.73	1.67
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	11	0.54	0.33	0.41
(1,3434)	1:51:A:VAL:CG1	1:79:A:GLU:CD	11	0.54	0.33	0.41
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	11	0.54	0.33	0.41
(1,3626)	1:51:B:VAL:CG1	1:79:B:GLU:CD	11	0.54	0.33	0.41
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	11	0.54	0.33	0.41
(1,3819)	1:51:C:VAL:CG1	1:79:C:GLU:CD	11	0.54	0.33	0.41
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	11	0.48	0.33	0.4
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	11	0.48	0.33	0.4
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	11	0.48	0.33	0.4
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	11	0.43	0.23	0.42
(1,3958)	1:28:C:LEU:CD2	1:30:C:THR:CA	11	0.43	0.23	0.42
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	11	0.43	0.23	0.42
(1,3572)	1:28:A:LEU:CD2	1:30:A:THR:CA	11	0.43	0.23	0.42
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	11	0.43	0.23	0.42
(1,3765)	1:28:B:LEU:CD2	1:30:B:THR:CA	11	0.43	0.23	0.42
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	11	0.38	0.14	0.36
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	11	0.38	0.14	0.36
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	11	0.38	0.14	0.36
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	11	0.3	0.16	0.25
(1,3427)	1:47:A:GLN:HA	1:76:B:ARG:HB3	11	0.3	0.16	0.25
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	11	0.3	0.16	0.25
(1,3619)	1:47:B:GLN:HA	1:76:C:ARG:HB3	11	0.3	0.16	0.25
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	11	0.3	0.16	0.25
(1,3812)	1:47:C:GLN:HA	1:76:A:ARG:HB3	11	0.3	0.16	0.25
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	11	0.25	0.1	0.22
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	11	0.25	0.1	0.22
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	11	0.25	0.1	0.22
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	11	0.2	0.08	0.18
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	11	0.2	0.08	0.18
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	11	0.2	0.09	0.16
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	11	0.2	0.09	0.16
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	11	0.2	0.08	0.18
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	11	0.2	0.09	0.16
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	11	0.2	0.05	0.19
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	11	0.2	0.05	0.19
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	11	0.2	0.05	0.19
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	11	0.18	0.07	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	11	0.18	0.07	0.16
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	11	0.18	0.07	0.16
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	11	0.15	0.04	0.14
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	11	0.15	0.04	0.14
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	11	0.15	0.04	0.14
(1,3634)	1:28:B:LEU:CD1	1:32:A:VAL:CA	10	0.98	0.5	1.27
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	10	0.98	0.5	1.27
(1,3442)	1:28:A:LEU:CD1	1:32:C:VAL:CA	10	0.98	0.5	1.27
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	10	0.98	0.5	1.27
(1,3827)	1:28:C:LEU:CD1	1:32:B:VAL:CA	10	0.98	0.5	1.27
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	10	0.98	0.5	1.27
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	10	0.76	0.27	0.88
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	10	0.76	0.27	0.88
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	10	0.76	0.26	0.88
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	10	0.75	0.39	1.04
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	10	0.75	0.39	1.03
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	10	0.75	0.39	1.04
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	10	0.66	0.26	0.76
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	10	0.66	0.26	0.76
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	10	0.66	0.26	0.76
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	10	0.57	0.22	0.66
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	10	0.57	0.22	0.66
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	10	0.57	0.22	0.66
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	10	0.46	0.23	0.51
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	10	0.46	0.23	0.51
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	10	0.46	0.23	0.51
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	10	0.34	0.19	0.29
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	10	0.34	0.19	0.29
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	10	0.34	0.19	0.29
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	10	0.25	0.11	0.21
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	10	0.25	0.11	0.21
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	10	0.25	0.11	0.21
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	10	0.22	0.08	0.26
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	10	0.22	0.08	0.26
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	10	0.22	0.08	0.26
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	10	0.21	0.16	0.16
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	10	0.21	0.16	0.16
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	10	0.21	0.16	0.16
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	10	0.21	0.07	0.18
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	10	0.2	0.07	0.18
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	10	0.2	0.07	0.18
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	10	0.19	0.07	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	10	0.19	0.07	0.18
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	10	0.19	0.07	0.18
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	10	0.19	0.07	0.16
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	10	0.19	0.07	0.16
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	10	0.18	0.07	0.16
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	10	0.15	0.02	0.15
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	10	0.15	0.02	0.15
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	10	0.15	0.02	0.15
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	9	1.03	0.18	1.02
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	9	1.03	0.18	1.02
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	9	1.03	0.18	1.02
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	9	0.75	0.22	0.68
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	9	0.75	0.22	0.68
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	9	0.75	0.22	0.68
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	9	0.69	0.2	0.7
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	9	0.69	0.21	0.7
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	9	0.69	0.21	0.7
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	9	0.63	0.19	0.67
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	9	0.63	0.19	0.67
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	9	0.63	0.19	0.67
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	9	0.55	0.11	0.56
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	9	0.55	0.11	0.56
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	9	0.55	0.11	0.56
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	9	0.52	0.34	0.8
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	9	0.52	0.34	0.8
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	9	0.52	0.35	0.8
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	9	0.46	0.05	0.44
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	9	0.45	0.05	0.44
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	9	0.45	0.05	0.44
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	9	0.19	0.07	0.2
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	9	0.19	0.07	0.2
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	9	0.19	0.07	0.2
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	9	0.19	0.05	0.17
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	9	0.19	0.05	0.17
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	9	0.19	0.05	0.17
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	9	0.18	0.05	0.16
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	9	0.18	0.05	0.15
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	9	0.18	0.05	0.15
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	9	0.14	0.05	0.12
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	9	0.14	0.05	0.12
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	9	0.14	0.05	0.12
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	8	0.98	0.47	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3459)	1:24:A:ARG:HD3	1:25:A:LEU:HG	8	0.98	0.47	1.05
(1,3459)	1:24:A:ARG:HD3	1:25:C:LEU:HG	8	0.98	0.47	1.05
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	8	0.98	0.47	1.05
(1,3651)	1:24:B:ARG:HD3	1:25:B:LEU:HG	8	0.98	0.47	1.05
(1,3651)	1:24:B:ARG:HD3	1:25:A:LEU:HG	8	0.98	0.47	1.05
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	8	0.98	0.47	1.05
(1,3844)	1:24:C:ARG:HD3	1:25:C:LEU:HG	8	0.98	0.47	1.05
(1,3844)	1:24:C:ARG:HD3	1:25:B:LEU:HG	8	0.98	0.47	1.05
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	8	0.41	0.12	0.38
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	8	0.41	0.12	0.38
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	8	0.41	0.12	0.38
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	8	0.37	0.1	0.34
(1,593)	1:96:A:MET:HE1	1:97:A:TYR:H	8	0.37	0.1	0.34
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	8	0.36	0.1	0.33
(1,1650)	1:96:B:MET:HE1	1:97:B:TYR:H	8	0.36	0.1	0.33
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	8	0.36	0.1	0.33
(1,2707)	1:96:C:MET:HE1	1:97:C:TYR:H	8	0.36	0.1	0.33
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	8	0.35	0.11	0.34
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	8	0.35	0.11	0.34
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	8	0.35	0.11	0.34
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	8	0.34	0.13	0.29
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	8	0.34	0.13	0.29
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	8	0.34	0.13	0.29
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	8	0.31	0.09	0.31
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	8	0.31	0.1	0.31
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	8	0.31	0.09	0.31
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	8	0.3	0.15	0.28
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	8	0.3	0.15	0.28
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	8	0.3	0.15	0.28
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	8	0.2	0.06	0.18
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	8	0.2	0.06	0.18
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	8	0.2	0.06	0.18
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	8	0.18	0.06	0.16
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	8	0.18	0.06	0.16
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	8	0.18	0.06	0.16
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	7	1.45	0.52	1.63
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	7	1.45	0.53	1.63
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	7	1.45	0.52	1.63
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	7	0.82	0.39	1.04
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	7	0.82	0.39	1.04
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	7	0.82	0.39	1.04
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	7	0.62	0.24	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	7	0.62	0.24	0.54
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	7	0.62	0.24	0.54
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	7	0.46	0.16	0.4
(1,3661)	1:49:B:TYR:HA	1:49:B:TYR:HE1	7	0.46	0.16	0.4
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	7	0.46	0.16	0.4
(1,3469)	1:49:A:TYR:HA	1:49:A:TYR:HE1	7	0.46	0.16	0.4
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	7	0.46	0.17	0.4
(1,3854)	1:49:C:TYR:HA	1:49:C:TYR:HE1	7	0.46	0.17	0.4
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	7	0.33	0.1	0.33
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	7	0.33	0.1	0.33
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	7	0.33	0.1	0.33
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	7	0.29	0.1	0.32
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	7	0.28	0.1	0.32
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	7	0.28	0.1	0.32
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	7	0.27	0.07	0.3
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	7	0.27	0.08	0.3
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	7	0.26	0.07	0.29
(1,89)	1:28:A:LEU:HB3	1:30:A:THR:H	7	0.25	0.07	0.23
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	7	0.25	0.07	0.23
(1,1146)	1:28:B:LEU:HB3	1:30:B:THR:H	7	0.25	0.07	0.23
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	7	0.25	0.07	0.23
(1,2203)	1:28:C:LEU:HB3	1:30:C:THR:H	7	0.25	0.07	0.23
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	7	0.25	0.07	0.23
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	7	0.25	0.1	0.28
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	7	0.25	0.1	0.28
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	7	0.25	0.1	0.28
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	7	0.25	0.21	0.15
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	7	0.25	0.21	0.15
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	7	0.25	0.21	0.15
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	7	0.18	0.08	0.15
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	7	0.18	0.08	0.15
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	7	0.17	0.08	0.15
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	7	0.17	0.04	0.16
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	7	0.17	0.04	0.16
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	7	0.17	0.04	0.16
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	7	0.16	0.06	0.15
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	7	0.16	0.06	0.15
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	7	0.16	0.06	0.15
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	7	0.15	0.03	0.15
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	7	0.15	0.03	0.15
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	7	0.15	0.03	0.15
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	7	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	7	0.14	0.03	0.14
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	7	0.14	0.03	0.14
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	7	0.14	0.03	0.13
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	7	0.14	0.03	0.13
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	7	0.14	0.03	0.13
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	6	1.24	0.37	1.37
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	6	1.24	0.37	1.37
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	6	1.24	0.37	1.37
(1,36)	1:47:A:GLN:HG2	1:47:A:GLN:H	6	1.1	0.01	1.1
(1,36)	1:47:A:GLN:HG3	1:47:A:GLN:H	6	1.1	0.01	1.1
(1,1093)	1:47:B:GLN:HG2	1:47:B:GLN:H	6	1.1	0.01	1.1
(1,1093)	1:47:B:GLN:HG3	1:47:B:GLN:H	6	1.1	0.01	1.1
(1,2150)	1:47:C:GLN:HG2	1:47:C:GLN:H	6	1.1	0.01	1.1
(1,2150)	1:47:C:GLN:HG3	1:47:C:GLN:H	6	1.1	0.01	1.1
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	6	0.96	0.3	1.04
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	6	0.96	0.3	1.04
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	6	0.96	0.3	1.04
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	6	0.6	0.26	0.6
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	6	0.6	0.26	0.6
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	6	0.6	0.26	0.6
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	6	0.49	0.12	0.44
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	6	0.49	0.12	0.44
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	6	0.49	0.12	0.44
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	6	0.48	0.19	0.52
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	6	0.48	0.19	0.52
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	6	0.48	0.19	0.52
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	6	0.48	0.09	0.5
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	6	0.48	0.09	0.5
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	6	0.48	0.09	0.49
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	6	0.46	0.34	0.38
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	6	0.46	0.34	0.38
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	6	0.46	0.34	0.38
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	6	0.45	0.05	0.47
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	6	0.45	0.05	0.47
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	6	0.45	0.05	0.47
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	6	0.37	0.13	0.3
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	6	0.37	0.13	0.3
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	6	0.37	0.13	0.3
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	6	0.31	0.08	0.31
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	6	0.31	0.08	0.31
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	6	0.31	0.08	0.31
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	6	0.21	0.06	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	6	0.21	0.06	0.21
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	6	0.21	0.06	0.21
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	6	0.19	0.03	0.19
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	6	0.19	0.03	0.18
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	6	0.19	0.03	0.18
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	6	0.18	0.07	0.16
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	6	0.18	0.07	0.16
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	6	0.18	0.07	0.16
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	6	0.16	0.04	0.16
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	6	0.16	0.04	0.16
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	6	0.16	0.04	0.16
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	6	0.16	0.04	0.15
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	6	0.16	0.04	0.15
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	6	0.16	0.04	0.15
(1,3516)	1:31:A:ARG:CD	1:32:C:VAL:CG1	5	0.92	0.42	1.06
(1,3516)	1:31:A:ARG:CD	1:32:A:VAL:CG1	5	0.92	0.42	1.06
(1,3708)	1:31:B:ARG:CD	1:32:A:VAL:CG1	5	0.92	0.42	1.06
(1,3708)	1:31:B:ARG:CD	1:32:B:VAL:CG1	5	0.92	0.42	1.06
(1,3901)	1:31:C:ARG:CD	1:32:B:VAL:CG1	5	0.92	0.42	1.06
(1,3901)	1:31:C:ARG:CD	1:32:C:VAL:CG1	5	0.92	0.42	1.06
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	5	0.89	0.06	0.89
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	5	0.89	0.06	0.88
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	5	0.89	0.06	0.88
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	5	0.6	0.15	0.63
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	5	0.6	0.15	0.63
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	5	0.6	0.15	0.63
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	5	0.59	0.2	0.63
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	5	0.59	0.2	0.63
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	5	0.59	0.2	0.62
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	5	0.52	0.07	0.55
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	5	0.52	0.07	0.55
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	5	0.52	0.07	0.55
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	5	0.37	0.14	0.4
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	5	0.37	0.14	0.4
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	5	0.37	0.14	0.4
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	5	0.36	0.21	0.37
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	5	0.36	0.21	0.37
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	5	0.36	0.2	0.37
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	5	0.29	0.08	0.28
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	5	0.29	0.08	0.28
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	5	0.29	0.08	0.28
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	5	0.26	0.13	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	5	0.26	0.13	0.19
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	5	0.26	0.13	0.19
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	5	0.21	0.06	0.19
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	5	0.21	0.06	0.19
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	5	0.21	0.06	0.19
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	5	0.2	0.05	0.19
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	5	0.2	0.05	0.19
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	5	0.2	0.05	0.19
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	5	0.2	0.06	0.2
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	5	0.2	0.06	0.2
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	5	0.2	0.06	0.2
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	5	0.19	0.06	0.17
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	5	0.19	0.06	0.17
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	5	0.19	0.06	0.17
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	5	0.17	0.06	0.14
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	5	0.17	0.03	0.17
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	5	0.16	0.06	0.13
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	5	0.16	0.06	0.13
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	5	0.16	0.03	0.17
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	5	0.16	0.03	0.17
(1,3249)	1:48:A:PRO:CA	1:104:B:GLU:CA	4	0.33	0.12	0.31
(1,3330)	1:48:B:PRO:CA	1:104:C:GLU:CA	4	0.33	0.12	0.31
(1,3411)	1:48:C:PRO:CA	1:104:A:GLU:CA	4	0.32	0.11	0.31
(1,3248)	1:48:A:PRO:CA	1:103:B:ILE:C	4	0.32	0.14	0.29
(1,3329)	1:48:B:PRO:CA	1:103:C:ILE:C	4	0.32	0.14	0.29
(1,3410)	1:48:C:PRO:CA	1:103:A:ILE:C	4	0.32	0.14	0.29
(1,819)	1:31:A:ARG:CB	1:94:A:ASP:CB	4	0.3	0.06	0.3
(1,1876)	1:31:B:ARG:CB	1:94:B:ASP:CB	4	0.3	0.06	0.3
(1,2933)	1:31:C:ARG:CB	1:94:C:ASP:CB	4	0.3	0.06	0.3
(1,377)	1:88:A:ALA:CA	1:97:A:TYR:CA	4	0.22	0.08	0.2
(1,1434)	1:88:B:ALA:CA	1:97:B:TYR:CA	4	0.22	0.08	0.2
(1,2491)	1:88:C:ALA:CA	1:97:C:TYR:CA	4	0.22	0.08	0.2
(2,385)	1:101:B:PHE:N	1:58:A:ALA:O	4	0.15	0.02	0.16
(2,405)	1:101:C:PHE:N	1:58:B:ALA:O	4	0.15	0.02	0.16
(2,425)	1:101:A:PHE:N	1:58:C:ALA:O	4	0.15	0.02	0.16
(2,111)	1:88:A:ALA:N	1:96:A:MET:O	4	0.14	0.03	0.14
(2,233)	1:88:B:ALA:N	1:96:B:MET:O	4	0.14	0.03	0.14
(2,355)	1:88:C:ALA:N	1:96:C:MET:O	4	0.14	0.03	0.14
(2,117)	1:100:A:SER:N	1:84:A:LYS:O	4	0.14	0.02	0.14
(2,239)	1:100:B:SER:N	1:84:B:LYS:O	4	0.14	0.02	0.14
(2,361)	1:100:C:SER:N	1:84:C:LYS:O	4	0.14	0.02	0.14
(1,3932)	1:21:C:LEU:CD1	1:23:C:ASN:CB	3	0.72	0.61	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,126)	1:23:A:ASN:CA	1:27:A:LYS:CD	3	0.24	0.02	0.24
(1,474)	1:55:A:ASN:CA	1:57:A:THR:C	3	0.24	0.17	0.14
(1,1531)	1:55:B:ASN:CA	1:57:B:THR:C	3	0.24	0.17	0.14
(1,2240)	1:23:C:ASN:CA	1:27:C:LYS:CD	3	0.24	0.02	0.24
(1,2588)	1:55:C:ASN:CA	1:57:C:THR:C	3	0.24	0.17	0.14
(1,1183)	1:23:B:ASN:CA	1:27:B:LYS:CD	3	0.24	0.02	0.24
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB1	3	0.21	0.05	0.19
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB3	3	0.21	0.05	0.19
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB2	3	0.21	0.05	0.19
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB1	3	0.21	0.05	0.19
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB3	3	0.21	0.05	0.19
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB2	3	0.21	0.05	0.19
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB1	3	0.2	0.04	0.19
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB3	3	0.2	0.04	0.19
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB2	3	0.2	0.04	0.19
(1,840)	1:32:A:VAL:CG2	1:34:A:LYS:CA	3	0.2	0.05	0.21
(1,1897)	1:32:B:VAL:CG2	1:34:B:LYS:CA	3	0.2	0.05	0.21
(1,2954)	1:32:C:VAL:CG2	1:34:C:LYS:CA	3	0.2	0.05	0.21
(1,131)	1:80:A:SER:HB2	1:81:A:VAL:HA	3	0.17	0.05	0.15
(1,1188)	1:80:B:SER:HB2	1:81:B:VAL:HA	3	0.17	0.05	0.15
(1,2245)	1:80:C:SER:HB2	1:81:C:VAL:HA	3	0.17	0.05	0.15
(1,100)	1:89:A:TYR:CA	1:95:A:VAL:CA	3	0.16	0.05	0.16
(1,1157)	1:89:B:TYR:CA	1:95:B:VAL:CA	3	0.16	0.05	0.16
(1,2214)	1:89:C:TYR:CA	1:95:C:VAL:CA	3	0.16	0.05	0.16
(1,608)	1:101:A:PHE:CE2	1:102:A:ASN:C	3	0.15	0.02	0.16
(1,2722)	1:101:C:PHE:CE2	1:102:C:ASN:C	3	0.15	0.02	0.16
(1,1665)	1:101:B:PHE:CE2	1:102:B:ASN:C	3	0.14	0.02	0.16
(1,3172)	1:62:A:GLY:C	1:95:B:VAL:CA	3	0.13	0.03	0.12
(1,3253)	1:62:B:GLY:C	1:95:C:VAL:CA	3	0.13	0.03	0.12
(1,3334)	1:62:C:GLY:C	1:95:A:VAL:CA	3	0.13	0.02	0.12
(1,3547)	1:21:A:LEU:CD1	1:23:A:ASN:CB	2	1.03	0.52	1.03
(1,3739)	1:21:B:LEU:CD1	1:23:B:ASN:CB	2	1.03	0.52	1.03
(1,3424)	1:45:A:LEU:CB	1:102:B:ASN:CG	2	0.4	0.08	0.4
(1,3616)	1:45:B:LEU:CB	1:102:C:ASN:CG	2	0.4	0.08	0.4
(1,3809)	1:45:C:LEU:CB	1:102:A:ASN:CG	2	0.4	0.08	0.4
(1,303)	1:89:A:TYR:CD2	1:95:A:VAL:CG1	2	0.25	0.11	0.25
(1,1360)	1:89:B:TYR:CD2	1:95:B:VAL:CG1	2	0.25	0.11	0.25
(1,2417)	1:89:C:TYR:CD2	1:95:C:VAL:CG1	2	0.25	0.11	0.25
(1,867)	1:27:A:LYS:CD	1:30:A:THR:CG2	2	0.24	0.03	0.24
(1,1924)	1:27:B:LYS:CD	1:30:B:THR:CG2	2	0.24	0.03	0.24
(1,2981)	1:27:C:LYS:CD	1:30:C:THR:CG2	2	0.24	0.03	0.24
(1,3234)	1:57:A:THR:HB	1:103:B:ILE:H	2	0.22	0.07	0.22

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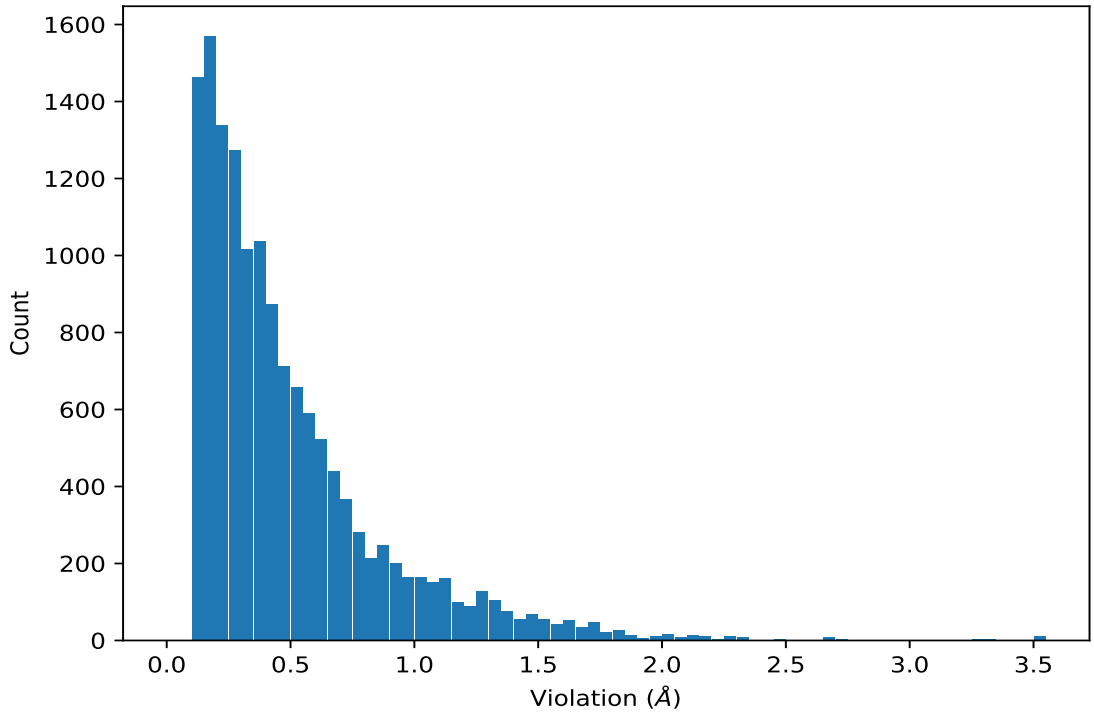
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3315)	1:57:B:THR:HB	1:103:C:ILE:H	2	0.22	0.07	0.22
(1,3396)	1:57:C:THR:HB	1:103:A:ILE:H	2	0.22	0.07	0.22
(1,362)	1:90:A:ALA:CA	1:95:A:VAL:CG2	2	0.2	0.03	0.2
(1,1419)	1:90:B:ALA:CA	1:95:B:VAL:CG2	2	0.2	0.03	0.2
(1,2476)	1:90:C:ALA:CA	1:95:C:VAL:CG2	2	0.2	0.03	0.2
(1,3508)	1:24:A:ARG:CD	1:25:C:LEU:C	2	0.2	0.0	0.2
(1,3508)	1:24:A:ARG:CD	1:25:A:LEU:C	2	0.2	0.0	0.2
(1,3700)	1:24:B:ARG:CD	1:25:A:LEU:C	2	0.2	0.0	0.2
(1,3700)	1:24:B:ARG:CD	1:25:B:LEU:C	2	0.2	0.0	0.2
(1,1099)	1:42:B:LEU:HB2	1:87:B:VAL:H	2	0.2	0.06	0.2
(1,3893)	1:24:C:ARG:CD	1:25:B:LEU:C	2	0.2	0.01	0.2
(1,3893)	1:24:C:ARG:CD	1:25:C:LEU:C	2	0.2	0.01	0.2
(1,42)	1:42:A:LEU:HB2	1:87:A:VAL:H	2	0.19	0.07	0.19
(1,2156)	1:42:C:LEU:HB2	1:87:C:VAL:H	2	0.19	0.07	0.19
(1,586)	1:74:A:GLY:HA3	1:84:A:LYS:HB2	2	0.18	0.04	0.18
(1,1643)	1:74:B:GLY:HA3	1:84:B:LYS:HB2	2	0.18	0.04	0.18
(1,2700)	1:74:C:GLY:HA3	1:84:C:LYS:HB2	2	0.18	0.04	0.18
(1,293)	1:103:A:ILE:CD1	1:104:A:GLU:C	2	0.18	0.06	0.18
(1,1350)	1:103:B:ILE:CD1	1:104:B:GLU:C	2	0.18	0.06	0.18
(1,2407)	1:103:C:ILE:CD1	1:104:C:GLU:C	2	0.18	0.06	0.18
(1,3458)	1:42:A:LEU:CA	1:96:A:MET:CG	2	0.18	0.04	0.18
(1,3650)	1:42:B:LEU:CA	1:96:B:MET:CG	2	0.18	0.04	0.18
(1,3843)	1:42:C:LEU:CA	1:96:C:MET:CG	2	0.18	0.04	0.18
(1,390)	1:59:A:GLY:CA	1:69:A:LEU:CD1	2	0.16	0.0	0.16
(1,830)	1:27:A:LYS:CG	1:31:A:ARG:CA	2	0.16	0.04	0.16
(1,1887)	1:27:B:LYS:CG	1:31:B:ARG:CA	2	0.16	0.04	0.16
(1,2504)	1:59:C:GLY:CA	1:69:C:LEU:CD1	2	0.16	0.0	0.16
(1,2944)	1:27:C:LYS:CG	1:31:C:ARG:CA	2	0.16	0.04	0.16
(1,1447)	1:59:B:GLY:CA	1:69:B:LEU:CD1	2	0.16	0.01	0.16
(1,3601)	1:21:A:LEU:HB2	1:24:A:ARG:HG3	2	0.14	0.01	0.14
(1,3794)	1:21:B:LEU:HB2	1:24:B:ARG:HG3	2	0.14	0.01	0.14
(1,3987)	1:21:C:LEU:HB2	1:24:C:ARG:HG3	2	0.14	0.01	0.14
(1,1037)	1:45:A:LEU:HA	1:46:A:PHE:HA	2	0.11	0.0	0.11
(1,2094)	1:45:B:LEU:HA	1:46:B:PHE:HA	2	0.11	0.0	0.11
(1,3151)	1:45:C:LEU:HA	1:46:C:PHE:HA	2	0.11	0.0	0.11

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	17	3.55
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	18	3.55
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	17	3.55
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	18	3.55
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	17	3.55
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	18	3.55
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	16	3.54
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	16	3.54
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	16	3.54
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	15	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	15	3.52
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	15	3.52
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	19	3.34
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	19	3.34
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	19	3.34
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	20	3.29
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	20	3.29
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	20	3.29
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	10	2.73
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	10	2.73
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	10	2.73
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB2	11	2.69
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	4	2.69
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB2	11	2.69
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	4	2.69
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB2	11	2.69
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	4	2.69
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	12	2.65
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	12	2.65
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	12	2.65
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	12	2.55
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	12	2.54
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	12	2.54
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	5	2.47
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	5	2.47
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	5	2.47
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	1	2.34
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	1	2.34
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	1	2.34
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	14	2.31
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	7	2.31
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	14	2.31
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	7	2.31
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	14	2.31
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	7	2.31
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	9	2.29
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	9	2.29
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	9	2.29
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	1	2.28
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	1	2.28
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	1	2.28
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	8	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	8	2.27
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	8	2.27
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	13	2.26
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	13	2.26
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	13	2.26
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	10	2.23
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	10	2.23
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	10	2.23
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	3	2.19
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	3	2.19
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	3	2.19
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	11	2.18
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	11	2.18
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	11	2.18
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	7	2.17
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	7	2.17
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	7	2.17
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	14	2.15
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	14	2.15
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	14	2.15
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	11	2.13
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	11	2.13
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	11	2.13
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	5	2.13
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	16	2.13
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	5	2.13
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	16	2.13
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	5	2.13
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	16	2.13
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	20	2.11
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	20	2.11
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	20	2.11
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	6	2.1
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	6	2.1
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	6	2.1
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	9	2.08
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	18	2.08
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	9	2.08
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	18	2.08
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	9	2.08
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	18	2.08
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	19	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	19	2.05
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	19	2.05
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	5	2.03
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	7	2.03
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	5	2.03
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	7	2.03
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	5	2.03
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	7	2.03
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	15	2.02
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	15	2.02
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	14	2.01
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	2	2.01
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	3	2.01
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	14	2.01
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	2	2.01
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	3	2.01
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	14	2.01
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	2	2.01
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	3	2.01
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	15	2.01
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	10	1.99
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	20	1.99
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	10	1.99
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	20	1.99
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	10	1.99
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	20	1.99
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	8	1.97
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	8	1.97
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	8	1.97
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	6	1.95
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	6	1.95
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	6	1.95
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	9	1.94
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	13	1.94
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	9	1.94
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	13	1.94
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	9	1.94
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	13	1.94
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	20	1.89
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	20	1.89
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	20	1.89
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	17	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	6	1.88
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	17	1.88
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	6	1.88
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	17	1.88
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	6	1.88
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	4	1.86
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	4	1.85
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	6	1.85
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	6	1.85
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	4	1.85
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	6	1.85
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	11	1.84
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	16	1.84
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	1	1.84
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	11	1.84
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	16	1.84
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	1	1.84
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	11	1.84
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	16	1.84
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	1	1.84
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	14	1.84
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	14	1.83
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	14	1.83
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	4	1.82
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	12	1.82
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	4	1.82
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	12	1.82
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	12	1.82
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	3	1.81
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	3	1.81
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	3	1.81
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	4	1.81
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	2	1.8
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	17	1.8
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	2	1.8
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	17	1.8
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	2	1.8
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	17	1.8
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	15	1.79
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	10	1.79
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	15	1.79
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	10	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	15	1.79
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	10	1.79
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	1	1.79
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	1	1.79
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	1	1.79
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	18	1.78
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	18	1.78
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	18	1.78
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	1	1.77
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	1	1.77
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	1	1.77
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	12	1.76
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	7	1.76
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	12	1.76
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	7	1.76
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	12	1.76
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	7	1.76
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	6	1.74
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	4	1.74
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	4	1.74
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	6	1.74
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	4	1.74
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	12	1.74
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	12	1.74
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	12	1.74
(1,3967)	1:41:C:ALA:HB3	1:43:C:ASN:HA	2	1.73
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	18	1.73
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	2	1.73
(1,3774)	1:41:B:ALA:HB3	1:43:B:ASN:HA	6	1.73
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	18	1.73
(1,3581)	1:41:A:ALA:HB3	1:43:A:ASN:HA	2	1.73
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	18	1.73
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	18	1.73
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	18	1.73
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	18	1.73
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	17	1.72
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	6	1.72
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	17	1.72
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	6	1.72
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	17	1.72
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	6	1.72
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	10	1.72
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	8	1.72
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	20	1.72
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	10	1.72
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	8	1.72
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	20	1.72
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	10	1.72
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	8	1.72
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	3	1.71
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	3	1.71
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	3	1.71
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	11	1.7
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	20	1.7
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	6	1.7
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	11	1.7
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	20	1.7
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	6	1.7
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	11	1.7
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	20	1.7
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	6	1.7
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	17	1.7
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	17	1.7
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	3	1.69
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	15	1.69
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	3	1.69
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	15	1.69
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	3	1.69
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	15	1.69
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	17	1.69
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	13	1.69
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	13	1.69
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	13	1.69
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	3	1.68
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	2	1.68
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	1	1.68
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	3	1.68
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	19	1.68
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	2	1.68
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	1	1.68
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	3	1.68
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	19	1.68
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	1	1.68
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	19	1.67
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	6	1.67
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	6	1.67
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	3	1.67
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	3	1.67
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	19	1.67
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	3	1.67
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	19	1.67
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	6	1.66
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	19	1.66
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	4	1.65
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	4	1.65
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	4	1.65
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	4	1.64
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	4	1.64
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	4	1.64
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	19	1.63
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	6	1.63
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	19	1.63
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	6	1.63
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	19	1.63
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	6	1.63
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	15	1.63
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	19	1.63
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	1	1.63
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	15	1.63
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	19	1.63
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	1	1.63
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	15	1.63
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	19	1.63
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	1	1.63
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	1	1.62
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	1	1.62
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	1	1.62
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	2	1.62
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	2	1.62
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	2	1.62
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	16	1.61
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	17	1.61
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	18	1.61
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	18	1.61
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	16	1.61
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	17	1.61
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	18	1.61
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	1	1.61
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	18	1.61
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	16	1.61
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	17	1.61
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	18	1.61
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	1	1.61
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	18	1.61
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	4	1.61
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	4	1.61
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	4	1.61
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	2	1.6
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	15	1.6
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	16	1.6
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	2	1.6
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	15	1.6
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	16	1.6
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	2	1.6
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	15	1.6
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	16	1.6
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	2	1.6
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	2	1.6
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	2	1.6
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	2	1.59
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	2	1.59
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	2	1.59
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	3	1.59
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	3	1.59
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	16	1.59
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	3	1.59
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	9	1.58
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	13	1.58
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	1	1.58
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	18	1.58
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	9	1.58
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	13	1.58
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	1	1.58
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	18	1.58
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	13	1.58
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	1	1.58
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	18	1.58
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	16	1.58
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	5	1.58
(1,2193)	1:65:C:SER:HB3	1:67:C:GLN:HA	6	1.58
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	16	1.58
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	5	1.58
(1,1136)	1:65:B:SER:HB3	1:67:B:GLN:HA	6	1.58
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	5	1.58
(1,79)	1:65:A:SER:HB3	1:67:A:GLN:HA	6	1.58
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	17	1.56
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	17	1.56
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	17	1.56
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	14	1.56
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	14	1.56
(1,3967)	1:41:C:ALA:HB1	1:43:C:ASN:HA	20	1.55
(1,3932)	1:21:C:LEU:CD1	1:23:C:ASN:CB	12	1.55
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	3	1.55
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	19	1.55
(1,3739)	1:21:B:LEU:CD1	1:23:B:ASN:CB	12	1.55
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	3	1.55
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	19	1.55
(1,3581)	1:41:A:ALA:HB1	1:43:A:ASN:HA	20	1.55
(1,3547)	1:21:A:LEU:CD1	1:23:A:ASN:CB	12	1.55
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	3	1.55
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	19	1.55
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	14	1.55
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	15	1.54
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	15	1.54
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	16	1.54
(1,3774)	1:41:B:ALA:HB1	1:43:B:ASN:HA	20	1.54
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	15	1.54
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	15	1.54
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	16	1.54
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	15	1.54
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	15	1.54
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	16	1.54
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	3	1.53
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	3	1.53
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	3	1.53
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	3	1.53
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	3	1.53
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	7	1.53
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	7	1.53
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	7	1.53
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	11	1.52
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	9	1.52
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	16	1.52
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	2	1.52
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	11	1.52
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	9	1.52
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	16	1.52
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	2	1.52
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	9	1.52
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	16	1.52
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	2	1.52
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	11	1.52
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	11	1.52
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	11	1.52
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	6	1.51
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	6	1.51
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	11	1.51
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	6	1.51
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	1	1.51
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	16	1.51
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	1	1.51
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	16	1.51
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	1	1.51
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	16	1.51
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	4	1.5
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	3	1.5
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	6	1.5
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	4	1.5
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	3	1.5
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	6	1.5
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	4	1.5
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	3	1.5
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	6	1.5
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	2	1.5
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	2	1.5
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	2	1.5
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	17	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	18	1.49
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	19	1.49
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	4	1.49
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	17	1.49
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	18	1.49
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	19	1.49
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	4	1.49
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	17	1.49
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	18	1.49
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	19	1.49
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	4	1.49
(1,3388)	1:55:C:ASN:HB2	1:104:A:GLU:HG3	12	1.49
(1,3307)	1:55:B:ASN:HB2	1:104:C:GLU:HG3	12	1.49
(1,3226)	1:55:A:ASN:HB2	1:104:B:GLU:HG3	12	1.49
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	10	1.49
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	10	1.49
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	10	1.49
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	20	1.48
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	8	1.48
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	18	1.48
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	19	1.48
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	20	1.48
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	8	1.48
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	18	1.48
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	19	1.48
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	20	1.48
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	8	1.48
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	18	1.48
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	19	1.48
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	13	1.48
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	13	1.48
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	13	1.48
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	15	1.47
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	16	1.47
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	1	1.47
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	15	1.47
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	1	1.47
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	2	1.47
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	15	1.47
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	1	1.47
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	4	1.47
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	5	1.47
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	4	1.47
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	8	1.47
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	5	1.47
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	4	1.47
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	8	1.47
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	5	1.47
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	3	1.46
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	2	1.46
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	16	1.46
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	3	1.46
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	16	1.46
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	2	1.46
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB2	6	1.46
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	3	1.46
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB2	6	1.46
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	3	1.46
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB2	6	1.46
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	3	1.46
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	3	1.45
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	7	1.45
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	8	1.45
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	7	1.45
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	8	1.45
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	7	1.45
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	8	1.45
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	20	1.44
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	16	1.44
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	2	1.44
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	20	1.44
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	16	1.44
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	2	1.44
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	20	1.44
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	16	1.44
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	2	1.44
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	9	1.44
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	9	1.44
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	9	1.44
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	12	1.43
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	12	1.43
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	12	1.43
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	4	1.42
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	6	1.42
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	4	1.42
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	6	1.42
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	4	1.42
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	12	1.42
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	12	1.42
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	12	1.42
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	17	1.41
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	11	1.41
(1,3957)	1:24:C:ARG:CD	1:26:C:ASP:CB	12	1.41
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	17	1.41
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	17	1.41
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	11	1.41
(1,3764)	1:24:B:ARG:CD	1:26:B:ASP:CB	12	1.41
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	17	1.41
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	17	1.41
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	11	1.41
(1,3571)	1:24:A:ARG:CD	1:26:A:ASP:CB	12	1.41
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	17	1.41
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	14	1.41
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	17	1.41
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	14	1.41
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	17	1.41
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	14	1.41
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	17	1.41
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	16	1.4
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	20	1.4
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	11	1.4
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	18	1.4
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	16	1.4
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	11	1.4
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	18	1.4
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	16	1.4
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	11	1.4
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	18	1.4
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	13	1.4
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	13	1.4
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	13	1.4
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	12	1.39
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	4	1.39
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	15	1.39
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	12	1.39
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	4	1.39
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	18	1.39
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	15	1.39
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	20	1.39
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	12	1.39
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	4	1.39
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	18	1.39
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	15	1.39
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	20	1.39
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	11	1.39
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	11	1.39
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	11	1.39
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	19	1.38
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	1	1.38
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG2	10	1.38
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	19	1.38
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG2	10	1.38
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	19	1.38
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	1	1.38
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG2	10	1.38
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	4	1.38
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	4	1.38
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	4	1.38
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	2	1.37
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	3	1.37
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	1	1.37
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	2	1.37
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	3	1.37
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	2	1.37
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	3	1.37
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	15	1.37
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	8	1.37
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	15	1.37
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	8	1.37
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	15	1.37
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	8	1.37
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	18	1.36
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	5	1.36
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	18	1.36
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	18	1.36
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	5	1.36
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	18	1.36
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	20	1.36
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	5	1.36
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	18	1.36
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	1	1.36
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	5	1.36
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	18	1.36
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	5	1.36
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	16	1.36
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	16	1.36
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	1	1.36
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	1	1.36
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	1	1.36
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	3	1.36
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	1	1.35
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	20	1.35
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	17	1.35
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	1	1.35
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	17	1.35
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	20	1.35
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	17	1.35
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	11	1.35
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	11	1.35
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	11	1.35
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	16	1.35
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	3	1.35
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	16	1.35
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	3	1.35
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	16	1.35
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	16	1.35
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	15	1.34
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	12	1.34
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	6	1.34
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	14	1.34
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	12	1.34
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	6	1.34
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	14	1.34
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	15	1.34
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	12	1.34
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	14	1.34
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	16	1.34
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	16	1.34
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	16	1.34
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	18	1.34
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	18	1.34
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	18	1.34
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	16	1.33
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	19	1.33
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	4	1.33
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	18	1.33
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	15	1.33
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	7	1.33
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	15	1.33
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	16	1.33
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	19	1.33
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	4	1.33
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	18	1.33
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	15	1.33
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	7	1.33
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	16	1.33
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	19	1.33
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	4	1.33
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	18	1.33
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	15	1.33
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	7	1.33
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	7	1.33
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	20	1.33
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	7	1.33
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	20	1.33
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	7	1.33
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	20	1.33
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG2	13	1.32
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	16	1.32
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG2	13	1.32
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	16	1.32
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG2	13	1.32
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	16	1.32
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	9	1.32
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	13	1.32
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	15	1.32
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	13	1.32
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	15	1.32
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	9	1.32
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	13	1.32
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	15	1.32
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	20	1.31
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	8	1.31
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	20	1.31
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	8	1.31
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	12	1.31
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	17	1.31
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	15	1.31
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	20	1.31
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	8	1.31
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	20	1.31
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	8	1.31
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	12	1.31
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	17	1.31
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	20	1.31
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	8	1.31
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	20	1.31
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	8	1.31
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	12	1.31
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	17	1.31
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	2	1.31
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	2	1.31
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	2	1.31
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	15	1.3
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	16	1.3
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	4	1.3
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	14	1.3
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	20	1.3
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	9	1.3
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	15	1.3
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	16	1.3
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	4	1.3
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	14	1.3
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	20	1.3
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	9	1.3
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	15	1.3
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	15	1.3
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	4	1.3
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	14	1.3
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	20	1.3
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	9	1.3
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	15	1.3
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	8	1.3
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	1	1.3
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	8	1.3
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	1	1.3
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	8	1.3
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	1	1.3
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	5	1.29
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	14	1.29
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	18	1.29
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	3	1.29
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	13	1.29
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	5	1.29
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	14	1.29
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	18	1.29
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	3	1.29
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	13	1.29
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	5	1.29
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	14	1.29
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	18	1.29
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	3	1.29
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	13	1.29
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	19	1.29
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	19	1.29
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	19	1.29
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	9	1.29
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	9	1.29
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	9	1.29
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	5	1.28
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	5	1.28
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	6	1.28
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	17	1.28
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	11	1.28
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	10	1.28
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	5	1.28
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	5	1.28
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	6	1.28
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	11	1.28
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	10	1.28
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	5	1.28
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	5	1.28
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	6	1.28
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	17	1.28
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	11	1.28
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	10	1.28
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	10	1.28
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	10	1.28
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	10	1.28
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	8	1.27
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	18	1.27
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	13	1.27
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	5	1.27
(1,3827)	1:28:C:LEU:CD1	1:32:C:VAL:CA	19	1.27
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	8	1.27
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	18	1.27
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	13	1.27
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	5	1.27
(1,3634)	1:28:B:LEU:CD1	1:32:B:VAL:CA	19	1.27
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	8	1.27
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	18	1.27
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	13	1.27
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	5	1.27
(1,3442)	1:28:A:LEU:CD1	1:32:A:VAL:CA	19	1.27
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	11	1.27
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	2	1.27
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	11	1.27
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	2	1.27
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	11	1.27
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	2	1.27
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	13	1.26
(1,3901)	1:31:C:ARG:CD	1:32:B:VAL:CG1	1	1.26
(1,3901)	1:31:C:ARG:CD	1:32:B:VAL:CG1	6	1.26
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	19	1.26
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	8	1.26
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	17	1.26
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	1	1.26
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	4	1.26
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	20	1.26
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	13	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3708)	1:31:B:ARG:CD	1:32:A:VAL:CG1	1	1.26
(1,3708)	1:31:B:ARG:CD	1:32:A:VAL:CG1	6	1.26
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	19	1.26
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	8	1.26
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	17	1.26
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	1	1.26
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	4	1.26
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	20	1.26
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	13	1.26
(1,3516)	1:31:A:ARG:CD	1:32:C:VAL:CG1	1	1.26
(1,3516)	1:31:A:ARG:CD	1:32:C:VAL:CG1	6	1.26
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	19	1.26
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	8	1.26
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	17	1.26
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	1	1.26
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	4	1.26
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	20	1.26
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	9	1.26
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	14	1.26
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	18	1.26
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	19	1.26
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	3	1.26
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	6	1.26
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	9	1.26
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	18	1.26
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	19	1.26
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	3	1.26
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	6	1.26
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	9	1.26
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	14	1.26
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	18	1.26
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	19	1.26
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	3	1.26
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	6	1.26
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	3	1.25
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	17	1.25
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	4	1.25
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	3	1.25
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	17	1.25
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	4	1.25
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	3	1.25
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	17	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	4	1.25
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	3	1.25
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	5	1.25
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	16	1.25
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	12	1.25
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	3	1.25
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	5	1.25
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	14	1.25
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	16	1.25
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	12	1.25
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	3	1.25
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	5	1.25
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	16	1.25
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	12	1.25
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	12	1.24
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	2	1.24
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	9	1.24
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	17	1.24
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	17	1.24
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	13	1.24
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	2	1.24
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	12	1.24
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	2	1.24
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	9	1.24
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	17	1.24
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	17	1.24
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	13	1.24
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	12	1.24
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	2	1.24
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	9	1.24
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	17	1.24
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	17	1.24
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	13	1.24
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	1	1.23
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	6	1.23
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	6	1.23
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	1	1.23
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	6	1.23
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	2	1.23
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	6	1.23
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	1	1.23
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	6	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	2	1.23
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	6	1.23
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	20	1.23
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	20	1.23
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	20	1.23
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	4	1.22
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	4	1.22
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	16	1.22
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	10	1.22
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	14	1.22
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	4	1.22
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	4	1.22
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	16	1.22
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	10	1.22
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	14	1.22
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	4	1.22
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	4	1.22
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	16	1.22
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	10	1.22
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	5	1.22
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	14	1.22
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	3	1.22
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	4	1.22
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	6	1.22
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	3	1.22
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	4	1.22
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	6	1.22
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	3	1.22
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	4	1.22
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	6	1.22
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	3	1.21
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	5	1.21
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	3	1.21
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	5	1.21
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	3	1.21
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	15	1.21
(1,2193)	1:65:C:SER:HB2	1:67:C:GLN:HA	17	1.21
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	8	1.21
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	15	1.21
(1,1136)	1:65:B:SER:HB2	1:67:B:GLN:HA	17	1.21
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	8	1.21
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:65:A:SER:HB2	1:67:A:GLN:HA	17	1.21
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	8	1.21
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	7	1.2
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	19	1.2
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	20	1.2
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	7	1.2
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	1	1.2
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	7	1.2
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	15	1.2
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	19	1.2
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	20	1.2
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	7	1.2
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	1	1.2
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	7	1.2
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	19	1.2
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	20	1.2
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	7	1.2
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	1	1.2
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	11	1.2
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	6	1.19
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	10	1.19
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	13	1.19
(1,3864)	1:49:C:TYR:HE1	1:79:A:GLU:HB3	19	1.19
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	15	1.19
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	20	1.19
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	6	1.19
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	10	1.19
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	13	1.19
(1,3671)	1:49:B:TYR:HE1	1:79:C:GLU:HB3	19	1.19
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	6	1.19
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	10	1.19
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	13	1.19
(1,3479)	1:49:A:TYR:HE1	1:79:B:GLU:HB3	19	1.19
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	15	1.19
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	9	1.19
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	5	1.19
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	11	1.19
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	5	1.19
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	5	1.19
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	11	1.19
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	5	1.18
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	1	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	9	1.18
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	5	1.18
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	1	1.18
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	9	1.18
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	20	1.18
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	5	1.18
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	1	1.18
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	20	1.18
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	15	1.18
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	15	1.18
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	15	1.18
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	10	1.17
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	14	1.17
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	6	1.17
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	7	1.17
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	12	1.17
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	10	1.17
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	14	1.17
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	6	1.17
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	7	1.17
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	12	1.17
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	10	1.17
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	14	1.17
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	6	1.17
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	7	1.17
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	12	1.17
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	10	1.16
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	12	1.16
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	14	1.16
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	11	1.16
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	12	1.16
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	11	1.16
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	1	1.16
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	10	1.16
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	12	1.16
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	14	1.16
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	11	1.16
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	12	1.16
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	11	1.16
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	1	1.16
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	10	1.16
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	12	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	14	1.16
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	11	1.16
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	12	1.16
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	11	1.16
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	1	1.16
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	6	1.16
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	6	1.16
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	6	1.16
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	2	1.15
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	2	1.15
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	11	1.15
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	8	1.15
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	15	1.15
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	14	1.15
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	11	1.15
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	16	1.15
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	15	1.15
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	2	1.15
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	2	1.15
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	11	1.15
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	8	1.15
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	15	1.15
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	16	1.15
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	15	1.15
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	2	1.15
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	2	1.15
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	11	1.15
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	8	1.15
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	15	1.15
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	11	1.15
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	16	1.15
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	15	1.15
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	16	1.15
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	16	1.15
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	16	1.15
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	7	1.14
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	12	1.14
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	1	1.14
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	8	1.14
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	1	1.14
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	2	1.14
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	7	1.14
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	12	1.14
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	1	1.14
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	8	1.14
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	1	1.14
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	2	1.14
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	14	1.14
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	11	1.14
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	10	1.14
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	7	1.14
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	12	1.14
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	1	1.14
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	8	1.14
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	1	1.14
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	14	1.14
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	10	1.14
(1,3964)	1:48:C:PRO:CD	1:50:C:GLY:C	7	1.13
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	2	1.13
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	19	1.13
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	7	1.13
(1,3771)	1:48:B:PRO:CD	1:50:B:GLY:C	7	1.13
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	2	1.13
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	19	1.13
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	7	1.13
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	5	1.13
(1,3578)	1:48:A:PRO:CD	1:50:A:GLY:C	7	1.13
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	2	1.13
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	19	1.13
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	2	1.13
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	7	1.13
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	14	1.13
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	6	1.13
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	14	1.13
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	6	1.13
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	14	1.13
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	6	1.13
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	5	1.13
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	5	1.13
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	5	1.13
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	4	1.13
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	18	1.12
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	6	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	2	1.12
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	17	1.12
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	15	1.12
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	5	1.12
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	4	1.12
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	4	1.12
(1,3846)	1:20:C:GLN:HB2	1:23:C:ASN:H	7	1.12
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	3	1.12
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	19	1.12
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	18	1.12
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	6	1.12
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	2	1.12
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	17	1.12
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	15	1.12
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	16	1.12
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	4	1.12
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	4	1.12
(1,3653)	1:20:B:GLN:HB2	1:23:B:ASN:H	7	1.12
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	19	1.12
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	18	1.12
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	6	1.12
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	2	1.12
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	17	1.12
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	15	1.12
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	16	1.12
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	5	1.12
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	4	1.12
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	4	1.12
(1,3461)	1:20:A:GLN:HB2	1:23:A:ASN:H	7	1.12
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	19	1.12
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB3	11	1.12
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	4	1.12
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB3	11	1.12
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	4	1.12
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	17	1.12
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB3	11	1.12
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	3	1.11
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	18	1.11
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	16	1.11
(1,3846)	1:20:C:GLN:HB3	1:23:C:ASN:H	16	1.11
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	5	1.11
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	3	1.11
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	18	1.11
(1,3653)	1:20:B:GLN:HB3	1:23:B:ASN:H	16	1.11
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	3	1.11
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	5	1.11
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	3	1.11
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	18	1.11
(1,3461)	1:20:A:GLN:HB3	1:23:A:ASN:H	16	1.11
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	3	1.11
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	5	1.11
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	17	1.11
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	17	1.11
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	17	1.11
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	17	1.11
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	6	1.11
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	9	1.11
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	17	1.11
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	20	1.11
(1,2150)	1:47:C:GLN:HG2	1:47:C:GLN:H	17	1.11
(1,2150)	1:47:C:GLN:HG3	1:47:C:GLN:H	18	1.11
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	17	1.11
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	6	1.11
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	9	1.11
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	17	1.11
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	20	1.11
(1,1093)	1:47:B:GLN:HG2	1:47:B:GLN:H	17	1.11
(1,1093)	1:47:B:GLN:HG3	1:47:B:GLN:H	18	1.11
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	6	1.11
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	17	1.11
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	20	1.11
(1,36)	1:47:A:GLN:HG2	1:47:A:GLN:H	17	1.11
(1,36)	1:47:A:GLN:HG3	1:47:A:GLN:H	18	1.11
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	4	1.1
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	1	1.1
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	13	1.1
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	14	1.1
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	6	1.1
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG2	11	1.1
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	4	1.1
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	1	1.1
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	13	1.1
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	14	1.1
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	6	1.1
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG2	11	1.1
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	4	1.1
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	1	1.1
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	13	1.1
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	18	1.1
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	14	1.1
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	6	1.1
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG2	11	1.1
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	3	1.1
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	3	1.1
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	3	1.1
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	10	1.1
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	13	1.1
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	9	1.1
(1,2150)	1:47:C:GLN:HG2	1:47:C:GLN:H	15	1.1
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	2	1.1
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	10	1.1
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	13	1.1
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	9	1.1
(1,1093)	1:47:B:GLN:HG2	1:47:B:GLN:H	15	1.1
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	2	1.1
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	9	1.1
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	10	1.1
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	13	1.1
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	9	1.1
(1,36)	1:47:A:GLN:HG2	1:47:A:GLN:H	15	1.1
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	2	1.1
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	10	1.09
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	16	1.09
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	12	1.09
(1,3866)	1:81:C:VAL:CB	1:83:C:LEU:CD1	17	1.09
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	8	1.09
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	1	1.09
(1,3820)	1:48:C:PRO:CG	1:51:A:VAL:CA	19	1.09
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	12	1.09
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	10	1.09
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	16	1.09
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	12	1.09
(1,3673)	1:81:B:VAL:CB	1:83:B:LEU:CD1	17	1.09
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	1	1.09
(1,3627)	1:48:B:PRO:CG	1:51:C:VAL:CA	19	1.09
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	12	1.09
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	10	1.09
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	16	1.09
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	12	1.09
(1,3481)	1:81:A:VAL:CB	1:83:A:LEU:CD1	17	1.09
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	8	1.09
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	1	1.09
(1,3435)	1:48:A:PRO:CG	1:51:B:VAL:CA	19	1.09
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	12	1.09
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	4	1.09
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	10	1.09
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	4	1.09
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	10	1.09
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	4	1.09
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	10	1.09
(1,3005)	1:47:C:GLN:CB	1:50:C:GLY:CA	12	1.09
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	15	1.09
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	20	1.09
(1,2150)	1:47:C:GLN:HG2	1:47:C:GLN:H	16	1.09
(1,2150)	1:47:C:GLN:HG3	1:47:C:GLN:H	19	1.09
(1,1948)	1:47:B:GLN:CB	1:50:B:GLY:CA	12	1.09
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	15	1.09
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	20	1.09
(1,1093)	1:47:B:GLN:HG2	1:47:B:GLN:H	16	1.09
(1,1093)	1:47:B:GLN:HG3	1:47:B:GLN:H	19	1.09
(1,891)	1:47:A:GLN:CB	1:50:A:GLY:CA	12	1.09
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	15	1.09
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	20	1.09
(1,36)	1:47:A:GLN:HG2	1:47:A:GLN:H	16	1.09
(1,36)	1:47:A:GLN:HG3	1:47:A:GLN:H	19	1.09
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	11	1.08
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	7	1.08
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	9	1.08
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	11	1.08
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	5	1.08
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	11	1.08
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	7	1.08
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	9	1.08
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	11	1.08
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	11	1.08
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	7	1.08
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	9	1.08
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	11	1.08
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	5	1.08
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	10	1.08
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	10	1.08
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	10	1.08
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	18	1.07
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	4	1.07
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	12	1.07
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	2	1.07
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	18	1.07
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	4	1.07
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	12	1.07
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	2	1.07
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	4	1.07
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	12	1.07
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	2	1.07
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	2	1.07
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	2	1.07
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	16	1.07
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	2	1.07
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	6	1.07
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	14	1.07
(1,2150)	1:47:C:GLN:HG3	1:47:C:GLN:H	20	1.07
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	16	1.07
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	2	1.07
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	6	1.07
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	14	1.07
(1,1093)	1:47:B:GLN:HG3	1:47:B:GLN:H	20	1.07
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	16	1.07
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	2	1.07
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	6	1.07
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	14	1.07
(1,36)	1:47:A:GLN:HG3	1:47:A:GLN:H	20	1.07
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	14	1.06
(1,3901)	1:31:C:ARG:CD	1:32:B:VAL:CG1	3	1.06
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	9	1.06
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	12	1.06
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	1	1.06
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	14	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3708)	1:31:B:ARG:CD	1:32:A:VAL:CG1	3	1.06
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	9	1.06
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	12	1.06
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	1	1.06
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	14	1.06
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	18	1.06
(1,3516)	1:31:A:ARG:CD	1:32:C:VAL:CG1	3	1.06
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	9	1.06
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	12	1.06
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	1	1.06
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	2	1.06
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	20	1.06
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	13	1.06
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	14	1.06
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	9	1.06
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	3	1.06
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	20	1.06
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	13	1.06
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	14	1.06
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	9	1.06
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	3	1.06
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	20	1.06
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	13	1.06
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	14	1.06
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	9	1.06
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	3	1.06
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	5	1.05
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	14	1.05
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	14	1.05
(1,3853)	1:48:C:PRO:HB2	1:80:A:SER:H	12	1.05
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	4	1.05
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	13	1.05
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	5	1.05
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	14	1.05
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	14	1.05
(1,3660)	1:48:B:PRO:HB2	1:80:C:SER:H	12	1.05
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	4	1.05
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	8	1.05
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	13	1.05
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	5	1.05
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	14	1.05
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3468)	1:48:A:PRO:HB2	1:80:B:SER:H	12	1.05
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	4	1.05
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	13	1.05
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	2	1.05
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	2	1.05
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	2	1.05
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	18	1.05
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	20	1.05
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	2	1.05
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	20	1.05
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	2	1.05
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	18	1.05
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	20	1.05
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	2	1.05
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	1	1.04
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	8	1.04
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	3	1.04
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	10	1.04
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	8	1.04
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	1	1.04
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	8	1.04
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	3	1.04
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	10	1.04
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	1	1.04
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	8	1.04
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	3	1.04
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	10	1.04
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	8	1.04
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	2	1.04
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	17	1.04
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	2	1.04
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	17	1.04
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	17	1.04
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	18	1.04
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	19	1.04
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	1	1.04
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	18	1.04
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	18	1.04
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	19	1.04
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	1	1.04
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	18	1.04
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	1	1.04
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	18	1.03
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	12	1.03
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	2	1.03
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	3	1.03
(1,3844)	1:24:C:ARG:HD3	1:25:C:LEU:HG	12	1.03
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	1	1.03
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	14	1.03
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	18	1.03
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	12	1.03
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	2	1.03
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	3	1.03
(1,3651)	1:24:B:ARG:HD3	1:25:B:LEU:HG	12	1.03
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	1	1.03
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	14	1.03
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	18	1.03
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	12	1.03
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	2	1.03
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	3	1.03
(1,3459)	1:24:A:ARG:HD3	1:25:A:LEU:HG	12	1.03
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	1	1.03
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	14	1.03
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	13	1.03
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	13	1.03
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	13	1.03
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	2	1.03
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	6	1.03
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	6	1.03
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	6	1.03
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	9	1.02
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	20	1.02
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	9	1.02
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	15	1.02
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	9	1.02
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	9	1.02
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	20	1.02
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	1	1.02
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	9	1.02
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	15	1.02
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	9	1.02
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	20	1.02
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	15	1.02
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	9	1.02
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	19	1.02
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	1	1.02
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	9	1.02
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	4	1.02
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	7	1.02
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	19	1.02
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	1	1.02
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	9	1.02
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	4	1.02
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	7	1.02
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	19	1.02
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	1	1.02
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	1	1.02
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	9	1.02
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	4	1.02
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	7	1.02
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	8	1.01
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	9	1.01
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	1	1.01
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	1	1.01
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	8	1.01
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	14	1.01
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	19	1.01
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	8	1.01
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	9	1.01
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	1	1.01
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	8	1.01
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	14	1.01
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	19	1.01
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	9	1.01
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	8	1.01
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	9	1.01
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	1	1.01
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	6	1.01
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	1	1.01
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	16	1.01
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	8	1.01
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	14	1.01
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	19	1.01
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	7	1.01
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	7	1.01
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	1	1.01
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	1	1.01
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	4	1.01
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	8	1.01
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	1	1.01
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	1	1.01
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	4	1.01
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	8	1.01
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	1	1.01
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	4	1.01
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	8	1.01
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	10	1.0
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	2	1.0
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	8	1.0
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	6	1.0
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	19	1.0
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	6	1.0
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	11	1.0
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	3	1.0
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	16	1.0
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	18	1.0
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	19	1.0
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	5	1.0
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	10	1.0
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	2	1.0
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	8	1.0
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	6	1.0
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	19	1.0
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	6	1.0
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	11	1.0
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	3	1.0
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	16	1.0
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	18	1.0
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	19	1.0
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	5	1.0
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	14	1.0
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	10	1.0
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	2	1.0
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	8	1.0
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	19	1.0
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	11	1.0
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	3	1.0
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	18	1.0
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	19	1.0
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	5	1.0
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	4	1.0
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	10	1.0
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	4	1.0
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	10	1.0
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	4	1.0
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	10	1.0
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	14	0.99
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	5	0.99
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	14	0.99
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	4	0.99
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	18	0.99
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	4	0.99
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	14	0.99
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	5	0.99
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	14	0.99
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	4	0.99
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	11	0.99
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	18	0.99
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	5	0.99
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	14	0.99
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	4	0.99
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	11	0.99
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	18	0.99
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	7	0.99
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	7	0.99
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	18	0.99
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	7	0.99
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	7	0.99
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	18	0.99
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	7	0.99
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	18	0.99
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	13	0.98
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	8	0.98
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	4	0.98
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	5	0.98
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	2	0.98
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	13	0.98
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	8	0.98
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	4	0.98
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	5	0.98
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	2	0.98
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	4	0.98
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	13	0.98
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	8	0.98
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	4	0.98
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	5	0.98
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	2	0.98
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	4	0.98
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	15	0.98
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	15	0.98
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	7	0.98
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	15	0.98
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	13	0.97
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	20	0.97
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	7	0.97
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	7	0.97
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	8	0.97
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	19	0.97
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	13	0.97
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	20	0.97
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	7	0.97
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	7	0.97
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	8	0.97
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	19	0.97
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	13	0.97
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	20	0.97
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	7	0.97
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	7	0.97
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	8	0.97
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	19	0.97
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	10	0.97
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	4	0.97
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	11	0.97
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	7	0.97
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	10	0.97
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	4	0.97
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	7	0.97
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	10	0.97
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	4	0.97
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	11	0.97
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	7	0.97
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	9	0.96
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	12	0.96
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	18	0.96
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	7	0.96
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	10	0.96
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	19	0.96
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	10	0.96
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	18	0.96
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	16	0.96
(1,3844)	1:24:C:ARG:HD2	1:25:B:LEU:HG	3	0.96
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	2	0.96
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	13	0.96
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	17	0.96
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	9	0.96
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	12	0.96
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	7	0.96
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	10	0.96
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	19	0.96
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	10	0.96
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	18	0.96
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	16	0.96
(1,3651)	1:24:B:ARG:HD2	1:25:A:LEU:HG	3	0.96
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	2	0.96
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	13	0.96
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	17	0.96
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	9	0.96
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	12	0.96
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	18	0.96
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	7	0.96
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	10	0.96
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	19	0.96
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	10	0.96
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	18	0.96
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	16	0.96
(1,3459)	1:24:A:ARG:HD2	1:25:C:LEU:HG	3	0.96
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	2	0.96
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	17	0.96
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	1	0.96
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	1	0.96
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	1	0.96
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	20	0.96
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	8	0.96
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	13	0.96
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	5	0.96
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	11	0.96
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	20	0.96
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	8	0.96
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	13	0.96
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	5	0.96
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	11	0.96
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	20	0.96
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	8	0.96
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	13	0.96
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	5	0.96
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	11	0.96
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	11	0.95
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	7	0.95
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	9	0.95
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	7	0.95
(1,3808)	1:45:C:LEU:H	1:47:C:GLN:HG3	3	0.95
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	6	0.95
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	11	0.95
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	7	0.95
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	18	0.95
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	9	0.95
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	7	0.95
(1,3615)	1:45:B:LEU:H	1:47:B:GLN:HG3	3	0.95
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	6	0.95
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	11	0.95
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	7	0.95
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	9	0.95
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	7	0.95
(1,3423)	1:45:A:LEU:H	1:47:A:GLN:HG3	3	0.95
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	6	0.95
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	5	0.95
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	13	0.95
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	10	0.95
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	11	0.95
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	13	0.95
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	10	0.95
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	20	0.95
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	11	0.95
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	5	0.95
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	13	0.95
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	10	0.95
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	20	0.95
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	11	0.95
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	18	0.94
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	15	0.94
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	20	0.94
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	9	0.94
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	15	0.94
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	13	0.94
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	7	0.94
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	18	0.94
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	15	0.94
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	20	0.94
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	9	0.94
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	15	0.94
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	13	0.94
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	7	0.94
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	18	0.94
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	15	0.94
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	20	0.94
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	9	0.94
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	15	0.94
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	17	0.94
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	13	0.94
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	7	0.94
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	14	0.94
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	14	0.94
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	1	0.94
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	14	0.94
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	18	0.94
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	7	0.94
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	20	0.94
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	18	0.94
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	5	0.94
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	20	0.94
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	18	0.94
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	7	0.94
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	20	0.94
(1,3982)	1:64:C:ARG:CD	1:65:C:SER:CA	8	0.93
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	12	0.93
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	6	0.93
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	16	0.93
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	17	0.93
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	17	0.93
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	6	0.93
(1,3789)	1:64:B:ARG:CD	1:65:B:SER:CA	8	0.93
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	12	0.93
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	6	0.93
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	16	0.93
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	17	0.93
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	17	0.93
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	6	0.93
(1,3596)	1:64:A:ARG:CD	1:65:A:SER:CA	8	0.93
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	12	0.93
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	6	0.93
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	16	0.93
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	6	0.93
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	1	0.93
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	1	0.93
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	17	0.93
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	8	0.93
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	14	0.93
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	17	0.93
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	18	0.93
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	16	0.93
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	19	0.93
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	17	0.93
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	8	0.93
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	14	0.93
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	18	0.93
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	16	0.93
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	19	0.93
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	17	0.93
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	8	0.93
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	14	0.93
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	20	0.93
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	18	0.93
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	16	0.93
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	19	0.93
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	13	0.92
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	9	0.92
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	10	0.92
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	3	0.92
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	4	0.92
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	15	0.92
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	17	0.92
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	11	0.92
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	1	0.92
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	13	0.92
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	9	0.92
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	10	0.92
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	3	0.92
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	4	0.92
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	15	0.92
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	17	0.92
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	11	0.92
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	1	0.92
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	13	0.92
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	9	0.92
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	10	0.92
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	3	0.92
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	4	0.92
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	15	0.92
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	17	0.92
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	17	0.92
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	11	0.92
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	1	0.92
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	12	0.92
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	20	0.92
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	12	0.92
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	20	0.92
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	12	0.92
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	20	0.92
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	4	0.92
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	20	0.92
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	4	0.92
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	20	0.92
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	4	0.92
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	3	0.91
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	3	0.91
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	3	0.91
(1,3901)	1:31:C:ARG:CD	1:32:B:VAL:CG1	2	0.91
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	2	0.91
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	8	0.91
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	15	0.91
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	16	0.91
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	5	0.91
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	9	0.91
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	12	0.91
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	4	0.91
(1,3708)	1:31:B:ARG:CD	1:32:A:VAL:CG1	2	0.91
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	2	0.91
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	8	0.91
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	15	0.91
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	16	0.91
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	5	0.91
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	9	0.91
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	12	0.91
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	4	0.91
(1,3516)	1:31:A:ARG:CD	1:32:C:VAL:CG1	2	0.91
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	2	0.91
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	8	0.91
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	15	0.91
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	16	0.91
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	5	0.91
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	9	0.91
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	12	0.91
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	4	0.91
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	19	0.91
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	19	0.91
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	19	0.91
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	11	0.91
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	13	0.91
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	11	0.91
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	13	0.91
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	11	0.91
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	13	0.91
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	10	0.9
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	10	0.9
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	4	0.9
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	10	0.9
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	17	0.9
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	7	0.9
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	19	0.9
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	2	0.9
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	10	0.9
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	1	0.9
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	2	0.9
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	4	0.9
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	10	0.9
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	17	0.9
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	7	0.9
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	19	0.9
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	2	0.9
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	10	0.9
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	1	0.9
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	2	0.9
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	4	0.9
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	10	0.9
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	17	0.9
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	7	0.9
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	19	0.9
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	2	0.9
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	10	0.9
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	1	0.9
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	2	0.9
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	6	0.9
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	10	0.9
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	6	0.9
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	10	0.9
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	6	0.9
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	10	0.9
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	19	0.9
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	2	0.9
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	11	0.9
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	19	0.9
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	2	0.9
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	11	0.9
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	2	0.9
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	11	0.9
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	14	0.89
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	18	0.89
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	20	0.89
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	14	0.89
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	14	0.89
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	18	0.89
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	20	0.89
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	6	0.89
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	11	0.89
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	14	0.89
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	14	0.89
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	18	0.89
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	20	0.89
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	11	0.89
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	14	0.89
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	16	0.89
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	16	0.89
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	16	0.89
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	3	0.89
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	8	0.89
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	5	0.89
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	13	0.89
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	15	0.89
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	18	0.89
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	10	0.89
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	3	0.89
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	8	0.89
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	5	0.89
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	13	0.89
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	15	0.89
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	18	0.89
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	10	0.89
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	3	0.89
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	8	0.89
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	5	0.89
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	13	0.89
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	15	0.89
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	18	0.89
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	10	0.89
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	12	0.88
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	18	0.88
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	19	0.88
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	1	0.88
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	6	0.88
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	9	0.88
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	11	0.88
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	7	0.88
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	3	0.88
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	12	0.88
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	18	0.88
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	19	0.88
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	1	0.88
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	9	0.88
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	7	0.88
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	3	0.88
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	12	0.88
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	18	0.88
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	19	0.88
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	1	0.88
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	6	0.88
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	9	0.88
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	7	0.88
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	3	0.88
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	14	0.88
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	9	0.88
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	14	0.88
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	9	0.88
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	14	0.88
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	9	0.88
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	15	0.88
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	1	0.88
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	16	0.88
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	17	0.88
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	17	0.88
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	5	0.88
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	15	0.88
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	1	0.88
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	16	0.88
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	17	0.88
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	17	0.88
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	15	0.88
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	1	0.88
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	16	0.88
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	17	0.88
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	1	0.87
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	14	0.87
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	20	0.87
(1,3861)	1:49:C:TYR:CB	1:55:C:ASN:CB	5	0.87
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	6	0.87
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	12	0.87
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	20	0.87
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	6	0.87
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	1	0.87
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	14	0.87
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	20	0.87
(1,3668)	1:49:B:TYR:CB	1:55:B:ASN:CB	5	0.87
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	6	0.87
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	12	0.87
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	13	0.87
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	20	0.87
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	6	0.87
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	1	0.87
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	14	0.87
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	20	0.87
(1,3476)	1:49:A:TYR:CB	1:55:A:ASN:CB	5	0.87
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	6	0.87
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	12	0.87
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	13	0.87
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	20	0.87
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	6	0.87
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	6	0.87
(1,3345)	1:49:C:TYR:C	1:104:A:GLU:CD	12	0.87
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	6	0.87
(1,3264)	1:49:B:TYR:C	1:104:C:GLU:CD	12	0.87
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	6	0.87
(1,3183)	1:49:A:TYR:C	1:104:B:GLU:CD	12	0.87
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	5	0.87
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	18	0.87
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	15	0.87
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	5	0.87
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	18	0.87
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	5	0.87
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	18	0.87
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	15	0.87
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	17	0.87
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	9	0.86
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	9	0.86
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	9	0.86
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	3	0.86
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	3	0.86
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	3	0.86
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	18	0.86
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	9	0.86
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	13	0.86
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	7	0.86
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	13	0.86
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	18	0.86
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	9	0.86
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	13	0.86
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	7	0.86
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	18	0.86
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	9	0.86
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	13	0.86
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	7	0.86
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	7	0.86
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	11	0.86
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	7	0.86
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	11	0.86
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	7	0.86
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	11	0.86
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	8	0.86
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	9	0.86
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	9	0.86
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	20	0.86
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	14	0.86
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	8	0.86
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	9	0.86
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	9	0.86
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	20	0.86
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	14	0.86
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	8	0.86
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	9	0.86
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	20	0.86
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	14	0.86
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	19	0.85
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	8	0.85
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	6	0.85
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	19	0.85
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	19	0.85
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	6	0.85
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	19	0.85
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	19	0.85
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	8	0.85
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	6	0.85
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	19	0.85
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	2	0.85
(1,3974)	1:23:C:ASN:CB	1:25:B:LEU:CG	15	0.85
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	20	0.85
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	7	0.85
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	10	0.85
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	4	0.85
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	14	0.85
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	2	0.85
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	7	0.85
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	2	0.85
(1,3781)	1:23:B:ASN:CB	1:25:A:LEU:CG	15	0.85
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	20	0.85
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	7	0.85
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	10	0.85
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	4	0.85
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	14	0.85
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	2	0.85
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	7	0.85
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	2	0.85
(1,3588)	1:23:A:ASN:CB	1:25:C:LEU:CG	15	0.85
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	20	0.85
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	7	0.85
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	10	0.85
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	4	0.85
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	14	0.85
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	7	0.85
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	3	0.85
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	3	0.85
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	16	0.85
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	9	0.85
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	15	0.85
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	16	0.85
(1,2674)	1:75:C:TYR:CA	1:76:C:ARG:CG	19	0.85
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	3	0.85
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	1	0.85
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	3	0.85
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	4	0.85
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	4	0.85
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	3	0.85
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	1	0.85
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	12	0.85
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	7	0.85
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	16	0.85
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	9	0.85
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	15	0.85
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	16	0.85
(1,1617)	1:75:B:TYR:CA	1:76:B:ARG:CG	19	0.85
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	3	0.85
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	1	0.85
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	3	0.85
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	4	0.85
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	3	0.85
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	1	0.85
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	12	0.85
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	7	0.85
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	16	0.85
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	9	0.85
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	15	0.85
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	16	0.85
(1,560)	1:75:A:TYR:CA	1:76:A:ARG:CG	19	0.85
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	3	0.85
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	1	0.85
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	3	0.85
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	4	0.85
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	3	0.85
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	1	0.85
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	12	0.85
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	7	0.85
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	5	0.84
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	5	0.84
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	5	0.84
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	20	0.84
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	4	0.84
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	15	0.84
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	17	0.84
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	16	0.84
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	7	0.84
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	7	0.84
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	10	0.84
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	20	0.84
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	15	0.84
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	17	0.84
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	16	0.84
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	7	0.84
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	7	0.84
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	10	0.84
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	20	0.84
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	4	0.84
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	15	0.84
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	17	0.84
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	16	0.84
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	7	0.84
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	7	0.84
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	10	0.84
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	2	0.84
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	4	0.84
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	4	0.84
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	15	0.83
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	7	0.83
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	15	0.83
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	7	0.83
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	15	0.83
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	7	0.83
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	9	0.83
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	5	0.83
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	4	0.83
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	11	0.83
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	10	0.83
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	5	0.83
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	5	0.83
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3803)	1:44:C:SER:HB2	1:62:C:GLY:H	13	0.83
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	9	0.83
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	5	0.83
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	4	0.83
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	11	0.83
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	4	0.83
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	10	0.83
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	5	0.83
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	5	0.83
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	12	0.83
(1,3610)	1:44:B:SER:HB2	1:62:B:GLY:H	13	0.83
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	9	0.83
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	5	0.83
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	4	0.83
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	11	0.83
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	10	0.83
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	5	0.83
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	5	0.83
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	12	0.83
(1,3418)	1:44:A:SER:HB2	1:62:A:GLY:H	13	0.83
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	3	0.83
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	3	0.83
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	3	0.83
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	19	0.83
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	17	0.83
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	19	0.83
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	17	0.83
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	2	0.83
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	2	0.83
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	17	0.83
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	2	0.83
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	1	0.82
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	20	0.82
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	1	0.82
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	20	0.82
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	1	0.82
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	20	0.82
(1,3958)	1:28:C:LEU:CD2	1:30:C:THR:CA	10	0.82
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	13	0.82
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	15	0.82
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	13	0.82
(1,3765)	1:28:B:LEU:CD2	1:30:B:THR:CA	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	13	0.82
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	15	0.82
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	16	0.82
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	13	0.82
(1,3572)	1:28:A:LEU:CD2	1:30:A:THR:CA	10	0.82
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	13	0.82
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	15	0.82
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	16	0.82
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	13	0.82
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	5	0.82
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	2	0.82
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	2	0.82
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	6	0.82
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	8	0.82
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	16	0.82
(1,2136)	1:46:C:PHE:H	1:57:C:THR:HB	12	0.82
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	5	0.82
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	2	0.82
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	6	0.82
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	8	0.82
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	16	0.82
(1,1079)	1:46:B:PHE:H	1:57:B:THR:HB	12	0.82
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	5	0.82
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	19	0.82
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	6	0.82
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	8	0.82
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	16	0.82
(1,22)	1:46:A:PHE:H	1:57:A:THR:HB	12	0.82
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	5	0.81
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	14	0.81
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	5	0.81
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	14	0.81
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	5	0.81
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	14	0.81
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	5	0.81
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	19	0.81
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	16	0.81
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	11	0.81
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	7	0.81
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	20	0.81
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	5	0.81
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	8	0.81
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	11	0.81
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	7	0.81
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	20	0.81
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	5	0.81
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	19	0.81
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	11	0.81
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	7	0.81
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	13	0.81
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	13	0.81
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	13	0.81
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	19	0.81
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	13	0.81
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	9	0.81
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	15	0.81
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	16	0.81
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	10	0.81
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	19	0.81
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	13	0.81
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	9	0.81
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	6	0.81
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	15	0.81
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	16	0.81
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	10	0.81
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	19	0.81
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	13	0.81
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	9	0.81
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	15	0.81
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	16	0.81
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	10	0.81
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	20	0.8
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	20	0.8
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	20	0.8
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	20	0.8
(1,3958)	1:28:C:LEU:CD2	1:30:C:THR:CA	7	0.8
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	6	0.8
(1,3854)	1:49:C:TYR:HA	1:49:C:TYR:HE1	12	0.8
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	8	0.8
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	12	0.8
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	1	0.8
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	3	0.8
(1,3765)	1:28:B:LEU:CD2	1:30:B:THR:CA	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	6	0.8
(1,3661)	1:49:B:TYR:HA	1:49:B:TYR:HE1	12	0.8
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	12	0.8
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	1	0.8
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	3	0.8
(1,3572)	1:28:A:LEU:CD2	1:30:A:THR:CA	7	0.8
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	6	0.8
(1,3469)	1:49:A:TYR:HA	1:49:A:TYR:HE1	12	0.8
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	8	0.8
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	12	0.8
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	1	0.8
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	3	0.8
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	7	0.8
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	7	0.8
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	7	0.8
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	5	0.8
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	8	0.8
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	10	0.8
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	16	0.8
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	4	0.8
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	6	0.8
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	2	0.8
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	6	0.8
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	3	0.8
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	19	0.8
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	5	0.8
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	8	0.8
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	10	0.8
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	16	0.8
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	4	0.8
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	6	0.8
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	2	0.8
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	3	0.8
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	19	0.8
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	5	0.8
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	8	0.8
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	10	0.8
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	16	0.8
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	17	0.8
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	4	0.8
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	6	0.8
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	6	0.8
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	3	0.8
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	19	0.8
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	7	0.79
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	19	0.79
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	7	0.79
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	19	0.79
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	7	0.79
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	19	0.79
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	7	0.79
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	3	0.79
(1,3855)	1:84:C:LYS:CD	1:85:C:ALA:CB	2	0.79
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	16	0.79
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	14	0.79
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	5	0.79
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	7	0.79
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	3	0.79
(1,3662)	1:84:B:LYS:CD	1:85:B:ALA:CB	2	0.79
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	16	0.79
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	14	0.79
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	5	0.79
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	7	0.79
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	3	0.79
(1,3470)	1:84:A:LYS:CD	1:85:A:ALA:CB	2	0.79
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	16	0.79
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	13	0.79
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	14	0.79
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	5	0.79
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	18	0.79
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	7	0.79
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	18	0.79
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	7	0.79
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	18	0.79
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	7	0.79
(1,3144)	1:25:C:LEU:HB2	1:27:C:LYS:HA	12	0.79
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	14	0.79
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	13	0.79
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	17	0.79
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	14	0.79
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	18	0.79
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	3	0.79
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	5	0.79
(1,2087)	1:25:B:LEU:HB2	1:27:B:LYS:HA	12	0.79
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	14	0.79
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	13	0.79
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	17	0.79
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	14	0.79
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	18	0.79
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	3	0.79
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	7	0.79
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	5	0.79
(1,1030)	1:25:A:LEU:HB2	1:27:A:LYS:HA	12	0.79
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	14	0.79
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	13	0.79
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	14	0.79
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	18	0.79
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	3	0.79
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	7	0.79
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	5	0.79
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	4	0.78
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	4	0.78
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	4	0.78
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	10	0.78
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	1	0.78
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	5	0.78
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	13	0.78
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	2	0.78
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	15	0.78
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	1	0.78
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	10	0.78
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	10	0.78
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	1	0.78
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	5	0.78
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	13	0.78
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	2	0.78
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	15	0.78
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	1	0.78
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	10	0.78
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	10	0.78
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	1	0.78
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	5	0.78
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	2	0.78
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	1	0.78
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	10	0.78
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	10	0.78
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	10	0.78
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	10	0.78
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	16	0.78
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	14	0.78
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	17	0.78
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	18	0.78
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	14	0.78
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	16	0.78
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	14	0.78
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	17	0.78
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	18	0.78
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	14	0.78
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	16	0.78
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	14	0.78
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	17	0.78
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	18	0.78
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	14	0.78
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	5	0.77
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	19	0.77
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	8	0.77
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	12	0.77
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	20	0.77
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	8	0.77
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	1	0.77
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	5	0.77
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	19	0.77
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	8	0.77
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	12	0.77
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	20	0.77
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	8	0.77
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	1	0.77
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	5	0.77
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	19	0.77
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	8	0.77
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	12	0.77
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	20	0.77
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	8	0.77
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	1	0.77
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	6	0.77
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	1	0.77
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	6	0.77
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	1	0.77
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	6	0.77
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	19	0.77
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	9	0.77
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	11	0.77
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	18	0.77
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	9	0.77
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	19	0.77
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	9	0.77
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	11	0.77
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	18	0.77
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	9	0.77
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	19	0.77
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	9	0.77
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	11	0.77
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	18	0.77
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	9	0.77
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	6	0.76
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	6	0.76
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	6	0.76
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	7	0.76
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	16	0.76
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	9	0.76
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	18	0.76
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	8	0.76
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	7	0.76
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	16	0.76
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	9	0.76
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	8	0.76
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	7	0.76
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	16	0.76
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	9	0.76
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	8	0.76
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	6	0.76
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	19	0.76
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	2	0.76
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	14	0.76
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	17	0.76
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	18	0.76
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	14	0.76
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	6	0.76
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	19	0.76
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	2	0.76
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	14	0.76
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	17	0.76
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	13	0.76
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	18	0.76
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	14	0.76
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	6	0.76
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	19	0.76
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	2	0.76
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	14	0.76
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	17	0.76
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	13	0.76
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	18	0.76
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	14	0.76
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	15	0.76
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	14	0.76
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	5	0.76
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	15	0.76
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	14	0.76
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	5	0.76
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	15	0.76
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	14	0.76
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	5	0.76
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	8	0.76
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	14	0.76
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	7	0.76
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	15	0.76
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	19	0.76
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	1	0.76
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	19	0.76
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	8	0.76
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	14	0.76
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	7	0.76
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	15	0.76
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	19	0.76
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	1	0.76
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	19	0.76
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	14	0.76
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	7	0.76
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	15	0.76
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	19	0.76
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	1	0.76
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	19	0.76
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	14	0.75
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	2	0.75
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	3	0.75
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	2	0.75
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	12	0.75
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	14	0.75
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	2	0.75
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	3	0.75
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	2	0.75
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	18	0.75
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	12	0.75
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	14	0.75
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	2	0.75
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	3	0.75
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	2	0.75
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	18	0.75
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	12	0.75
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	17	0.75
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	15	0.75
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	11	0.75
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	5	0.75
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	2	0.75
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	17	0.75
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	15	0.75
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	11	0.75
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	5	0.75
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	2	0.75
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	17	0.75
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	15	0.75
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	11	0.75
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	5	0.75
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	2	0.75
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	3	0.75
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	2	0.75
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	12	0.75
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	3	0.75
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	2	0.75
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	12	0.75
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	9	0.75
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	3	0.75
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	2	0.75
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	12	0.75
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	9	0.75
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	15	0.75
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	5	0.75
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	18	0.75
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	10	0.75
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	14	0.75
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	5	0.75
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	20	0.75
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	15	0.75
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	15	0.75
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	5	0.75
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	18	0.75
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	10	0.75
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	14	0.75
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	5	0.75
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	20	0.75
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	15	0.75
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	15	0.75
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	5	0.75
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	18	0.75
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	10	0.75
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	14	0.75
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	5	0.75
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	20	0.75
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	15	0.75
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	13	0.74
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	8	0.74
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	3	0.74
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	16	0.74
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	5	0.74
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	16	0.74
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	3	0.74
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	13	0.74
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	3	0.74
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	5	0.74
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	16	0.74
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	3	0.74
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	13	0.74
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	3	0.74
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	16	0.74
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	5	0.74
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	16	0.74
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	10	0.74
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	7	0.74
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	14	0.74
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE3	5	0.74
(1,3831)	1:20:C:GLN:CB	1:21:C:LEU:CD1	12	0.74
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	9	0.74
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	10	0.74
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	3	0.74
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	14	0.74
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	10	0.74
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	7	0.74
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	14	0.74
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE3	5	0.74
(1,3638)	1:20:B:GLN:CB	1:21:B:LEU:CD1	12	0.74
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	9	0.74
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	10	0.74
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	3	0.74
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	14	0.74
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	10	0.74
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	7	0.74
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	14	0.74
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE3	5	0.74
(1,3446)	1:20:A:GLN:CB	1:21:A:LEU:CD1	12	0.74
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	9	0.74
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	10	0.74
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	3	0.74
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	14	0.74
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	4	0.74
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	4	0.74
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	6	0.74
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	18	0.74
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	4	0.74
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	20	0.74
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	17	0.74
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	4	0.74
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	13	0.74
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	15	0.74
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	20	0.74
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	16	0.74
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	20	0.74
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	9	0.74
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	17	0.74
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	4	0.74
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	13	0.74
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	15	0.74
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	20	0.74
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	16	0.74
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	20	0.74
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	9	0.74
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	17	0.74
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	4	0.74
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	13	0.74
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	15	0.74
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	20	0.74
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	16	0.74
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	10	0.73
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	11	0.73
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	16	0.73
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	6	0.73
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	10	0.73
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	8	0.73
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	16	0.73
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	6	0.73
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	10	0.73
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	8	0.73
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	16	0.73
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	2	0.73
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	3	0.73
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	6	0.73
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	3	0.73
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	11	0.73
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	16	0.73
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	11	0.73
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	9	0.73
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD2	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	9	0.73
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	16	0.73
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	20	0.73
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	20	0.73
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	3	0.73
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	11	0.73
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	16	0.73
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	11	0.73
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	9	0.73
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD2	9	0.73
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	9	0.73
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	16	0.73
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	20	0.73
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	20	0.73
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	3	0.73
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	11	0.73
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	16	0.73
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	11	0.73
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	9	0.73
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD2	9	0.73
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	9	0.73
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	16	0.73
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	20	0.73
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	20	0.73
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	6	0.73
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	8	0.73
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	18	0.73
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	8	0.73
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	6	0.73
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	8	0.73
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	18	0.73
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	11	0.73
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	7	0.73
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	17	0.73
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	11	0.73
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	14	0.73
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	16	0.73
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	19	0.73
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	1	0.73
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	4	0.73
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	6	0.73
(1,2087)	1:25:B:LEU:HB2	1:27:B:LYS:HA	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	11	0.73
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	7	0.73
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	17	0.73
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	11	0.73
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	14	0.73
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	16	0.73
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	19	0.73
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	1	0.73
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	4	0.73
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	6	0.73
(1,1030)	1:25:A:LEU:HB2	1:27:A:LYS:HA	2	0.73
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	11	0.73
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	7	0.73
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	17	0.73
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	11	0.73
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	14	0.73
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	16	0.73
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	13	0.73
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	19	0.73
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	1	0.73
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	4	0.73
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	6	0.73
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	13	0.72
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	10	0.72
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	18	0.72
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	2	0.72
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	13	0.72
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	11	0.72
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	10	0.72
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	18	0.72
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	2	0.72
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	13	0.72
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	11	0.72
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	10	0.72
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	18	0.72
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	7	0.72
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	5	0.72
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	20	0.72
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	6	0.72
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	8	0.72
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	9	0.72
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	5	0.72
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	20	0.72
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	6	0.72
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	8	0.72
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	9	0.72
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	7	0.72
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	5	0.72
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	20	0.72
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	11	0.72
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	6	0.72
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	8	0.72
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	9	0.72
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	11	0.72
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	11	0.72
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	11	0.72
(1,3144)	1:25:C:LEU:HB2	1:27:C:LYS:HA	2	0.72
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	7	0.72
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	10	0.72
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	17	0.72
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	8	0.72
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	19	0.72
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	13	0.72
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	17	0.72
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	19	0.72
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	14	0.72
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	7	0.72
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	10	0.72
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	17	0.72
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	8	0.72
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	19	0.72
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	13	0.72
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	17	0.72
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	19	0.72
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	14	0.72
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	7	0.72
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	10	0.72
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	17	0.72
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	8	0.72
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	19	0.72
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	17	0.72
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	19	0.72
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	20	0.71
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	20	0.71
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	20	0.71
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	9	0.71
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	4	0.71
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	9	0.71
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	4	0.71
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	9	0.71
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	4	0.71
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	5	0.71
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	11	0.71
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	11	0.71
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	13	0.71
(1,3815)	1:31:C:ARG:CG	1:93:C:SER:CB	4	0.71
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	9	0.71
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	10	0.71
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	14	0.71
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	2	0.71
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	5	0.71
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	11	0.71
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	11	0.71
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	13	0.71
(1,3622)	1:31:B:ARG:CG	1:93:B:SER:CB	4	0.71
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	9	0.71
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	10	0.71
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	14	0.71
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	5	0.71
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	11	0.71
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	13	0.71
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	9	0.71
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	10	0.71
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	14	0.71
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	8	0.71
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	8	0.71
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	5	0.71
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	8	0.71
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	8	0.71
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	5	0.71
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	8	0.71
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	8	0.71
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	5	0.71
(1,3144)	1:25:C:LEU:HB2	1:27:C:LYS:HA	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	17	0.71
(1,3141)	1:28:C:LEU:HB2	1:30:C:THR:HA	18	0.71
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	16	0.71
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	7	0.71
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	10	0.71
(1,2223)	1:60:C:VAL:HB	1:68:C:ALA:HB1	19	0.71
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	17	0.71
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	5	0.71
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	18	0.71
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	1	0.71
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	8	0.71
(1,2087)	1:25:B:LEU:HB2	1:27:B:LYS:HA	6	0.71
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	17	0.71
(1,2084)	1:28:B:LEU:HB2	1:30:B:THR:HA	18	0.71
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	16	0.71
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	7	0.71
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	10	0.71
(1,1166)	1:60:B:VAL:HB	1:68:B:ALA:HB1	19	0.71
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	17	0.71
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	5	0.71
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	18	0.71
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	1	0.71
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	8	0.71
(1,1030)	1:25:A:LEU:HB2	1:27:A:LYS:HA	6	0.71
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	17	0.71
(1,1027)	1:28:A:LEU:HB2	1:30:A:THR:HA	18	0.71
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	16	0.71
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	7	0.71
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	10	0.71
(1,109)	1:60:A:VAL:HB	1:68:A:ALA:HB1	19	0.71
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	17	0.71
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	5	0.71
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	18	0.71
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	1	0.71
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	8	0.71
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	14	0.7
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	14	0.7
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	14	0.7
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	6	0.7
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	16	0.7
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	11	0.7
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	16	0.7
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	11	0.7
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	6	0.7
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	16	0.7
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	16	0.7
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	2	0.7
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	14	0.7
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	20	0.7
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	3	0.7
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	16	0.7
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	14	0.7
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	20	0.7
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	3	0.7
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	16	0.7
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	2	0.7
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	14	0.7
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	20	0.7
(1,3430)	1:31:A:ARG:CG	1:93:A:SER:CB	4	0.7
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	3	0.7
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	2	0.7
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	5	0.7
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	2	0.7
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	14	0.7
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	5	0.7
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	2	0.7
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	5	0.7
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	11	0.7
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	11	0.7
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	6	0.7
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	18	0.7
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	7	0.7
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	10	0.7
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	15	0.7
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	11	0.7
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	11	0.7
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	17	0.7
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	13	0.7
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	17	0.7
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	11	0.7
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	11	0.7
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	6	0.7
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	7	0.7
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	10	0.7
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	15	0.7
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	11	0.7
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	11	0.7
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	17	0.7
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	13	0.7
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	17	0.7
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	11	0.7
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	11	0.7
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	6	0.7
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	18	0.7
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	7	0.7
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	10	0.7
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	15	0.7
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	11	0.7
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	11	0.7
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	17	0.7
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	13	0.7
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	15	0.7
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	17	0.7
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	11	0.69
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	11	0.69
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	11	0.69
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	11	0.69
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	14	0.69
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	15	0.69
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	17	0.69
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	18	0.69
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	12	0.69
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	18	0.69
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	18	0.69
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	14	0.69
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	15	0.69
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	17	0.69
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	18	0.69
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	12	0.69
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	18	0.69
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	18	0.69
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	14	0.69
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	15	0.69
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	18	0.69
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	12	0.69
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	18	0.69
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	18	0.69
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	11	0.69
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	10	0.69
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	7	0.69
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	8	0.69
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	10	0.69
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	2	0.69
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	6	0.69
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	11	0.69
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	10	0.69
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	7	0.69
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	8	0.69
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	9	0.69
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	10	0.69
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	2	0.69
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	6	0.69
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	11	0.69
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	10	0.69
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	7	0.69
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	8	0.69
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	9	0.69
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	10	0.69
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	2	0.69
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	6	0.69
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	9	0.69
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	14	0.69
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	8	0.69
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	9	0.69
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	8	0.69
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	9	0.69
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	14	0.69
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	8	0.69
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	4	0.69
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	5	0.69
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	10	0.69
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	2	0.69
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	10	0.69
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	19	0.69
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	7	0.69
(1,2206)	1:47:C:GLN:HB2	1:84:C:LYS:HE3	12	0.69
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	17	0.69
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	3	0.69
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	15	0.69
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	4	0.69
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	5	0.69
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	10	0.69
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	2	0.69
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	10	0.69
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	19	0.69
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	20	0.69
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	20	0.69
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	7	0.69
(1,1149)	1:47:B:GLN:HB2	1:84:B:LYS:HE3	12	0.69
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	17	0.69
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	3	0.69
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	15	0.69
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	4	0.69
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	5	0.69
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	10	0.69
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	2	0.69
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	10	0.69
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	19	0.69
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	20	0.69
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	7	0.69
(1,92)	1:47:A:GLN:HB2	1:84:A:LYS:HE3	12	0.69
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	17	0.69
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	3	0.69
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	20	0.68
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	6	0.68
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	1	0.68
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	16	0.68
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	11	0.68
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	16	0.68
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	6	0.68
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	16	0.68
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	11	0.68
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	16	0.68
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	6	0.68
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	16	0.68
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	16	0.68
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	10	0.68
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	1	0.68
(1,3836)	1:95:C:VAL:CG2	1:96:C:MET:CG	17	0.68
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	9	0.68
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	2	0.68
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	14	0.68
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	11	0.68
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	10	0.68
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	1	0.68
(1,3643)	1:95:B:VAL:CG2	1:96:B:MET:CG	17	0.68
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	2	0.68
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	14	0.68
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	11	0.68
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	10	0.68
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	1	0.68
(1,3451)	1:95:A:VAL:CG2	1:96:A:MET:CG	17	0.68
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	2	0.68
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	14	0.68
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	11	0.68
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	9	0.68
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	20	0.68
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	8	0.68
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	20	0.68
(1,2221)	1:69:C:LEU:CB	1:70:C:ALA:CB	11	0.68
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	19	0.68
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	8	0.68
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	2	0.68
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	9	0.68
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	8	0.68
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	20	0.68
(1,1164)	1:69:B:LEU:CB	1:70:B:ALA:CB	11	0.68
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	19	0.68
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	8	0.68
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	2	0.68
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	9	0.68
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	20	0.68
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	8	0.68
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	20	0.68
(1,107)	1:69:A:LEU:CB	1:70:A:ALA:CB	11	0.68
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	19	0.68
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	2	0.68
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	20	0.67
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	13	0.67
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	1	0.67
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	13	0.67
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	1	0.67
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	20	0.67
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	13	0.67
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	1	0.67
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	17	0.67
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	20	0.67
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	20	0.67
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	16	0.67
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	13	0.67
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	5	0.67
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	8	0.67
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	2	0.67
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	15	0.67
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	14	0.67
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	17	0.67
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	20	0.67
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	20	0.67
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	16	0.67
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	13	0.67
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	1	0.67
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	5	0.67
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	8	0.67
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	2	0.67
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	15	0.67
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	14	0.67
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	17	0.67
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	20	0.67
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	20	0.67
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	16	0.67
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	13	0.67
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	1	0.67
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	5	0.67
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	8	0.67
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	2	0.67
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	15	0.67
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	14	0.67
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	16	0.67
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	18	0.67
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	19	0.67
(1,3832)	1:23:C:ASN:CB	1:25:C:LEU:CD1	1	0.67
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	13	0.67
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	19	0.67
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	4	0.67
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	3	0.67
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	16	0.67
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	18	0.67
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	19	0.67
(1,3639)	1:23:B:ASN:CB	1:25:B:LEU:CD1	1	0.67
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	13	0.67
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	19	0.67
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	4	0.67
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	16	0.67
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	18	0.67
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	19	0.67
(1,3447)	1:23:A:ASN:CB	1:25:A:LEU:CD1	1	0.67
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	13	0.67
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	19	0.67
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	4	0.67
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	3	0.67
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	9	0.67
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	19	0.67
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	11	0.67
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	8	0.67
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	10	0.67
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	14	0.67
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	12	0.67
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	10	0.67
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	13	0.67
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	5	0.67
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	18	0.67
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	20	0.67
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	16	0.67
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	18	0.67
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	19	0.67
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	11	0.67
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	10	0.67
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	14	0.67
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	10	0.67
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	13	0.67
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	5	0.67
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	18	0.67
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	20	0.67
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	16	0.67
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	18	0.67
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	9	0.67
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	19	0.67
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	11	0.67
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	8	0.67
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	10	0.67
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	12	0.67
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	10	0.67
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	13	0.67
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	5	0.67
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	18	0.67
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	20	0.67
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	16	0.67
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	18	0.67
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	3	0.66
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	4	0.66
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	3	0.66
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	4	0.66
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	3	0.66
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	4	0.66
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	14	0.66
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	19	0.66
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	1	0.66
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	14	0.66
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	19	0.66
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	1	0.66
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	6	0.66
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	14	0.66
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	19	0.66
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	1	0.66
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	14	0.66
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	19	0.66
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	8	0.66
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	7	0.66
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	1	0.66
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	8	0.66
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	4	0.66
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	14	0.66
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	19	0.66
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	19	0.66
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	8	0.66
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	7	0.66
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	1	0.66
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	13	0.66
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	8	0.66
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	3	0.66
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	4	0.66
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	14	0.66
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	19	0.66
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	19	0.66
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	8	0.66
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	7	0.66
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	1	0.66
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	13	0.66
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	8	0.66
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	4	0.66
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	7	0.66
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	9	0.66
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	11	0.66
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	15	0.66
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	16	0.66
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	17	0.66
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	3	0.66
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	6	0.66
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	18	0.66
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	13	0.66
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	18	0.66
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	9	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	7	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	8	0.66
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	9	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	11	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	15	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	16	0.66
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	17	0.66
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	3	0.66
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	18	0.66
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	13	0.66
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	18	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	7	0.66
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	9	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	11	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	15	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	16	0.66
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	17	0.66
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	14	0.66
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	3	0.66
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	6	0.66
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	18	0.66
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	13	0.66
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	18	0.66
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	11	0.65
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	11	0.65
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	11	0.65
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	13	0.65
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	7	0.65
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	3	0.65
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	6	0.65
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	17	0.65
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	11	0.65
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	13	0.65
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	7	0.65
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	3	0.65
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	17	0.65
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	11	0.65
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	13	0.65
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	7	0.65
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	3	0.65
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	6	0.65
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	17	0.65
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	11	0.65
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	13	0.65
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	15	0.65
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	15	0.65
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	9	0.65
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	14	0.65
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	13	0.65
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	10	0.65
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	8	0.65
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	12	0.65
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	4	0.65
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	20	0.65
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	13	0.65
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	15	0.65
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	9	0.65
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	14	0.65
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	13	0.65
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	6	0.65
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	3	0.65
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	10	0.65
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	8	0.65
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	12	0.65
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	4	0.65
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	20	0.65
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	13	0.65
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	15	0.65
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	15	0.65
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	9	0.65
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	14	0.65
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	13	0.65
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	6	0.65
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	8	0.65
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	12	0.65
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	4	0.65
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	20	0.65
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	7	0.65
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	9	0.65
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	9	0.65
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	7	0.65
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	9	0.65
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	9	0.65
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	7	0.65
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	9	0.65
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	9	0.65
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	13	0.65
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	5	0.65
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	13	0.65
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	14	0.65
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	19	0.65
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	3	0.65
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	18	0.65
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	2	0.65
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	6	0.65
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	10	0.65
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	16	0.65
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	15	0.65
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	16	0.65
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	19	0.65
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	20	0.65
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	13	0.65
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	5	0.65
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	13	0.65
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	14	0.65
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	10	0.65
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	19	0.65
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	3	0.65
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	18	0.65
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	2	0.65
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	6	0.65
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	10	0.65
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	16	0.65
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	15	0.65
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	16	0.65
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	19	0.65
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	20	0.65
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	13	0.65
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	5	0.65
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	13	0.65
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	14	0.65
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	19	0.65
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	3	0.65
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	18	0.65
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	2	0.65
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	6	0.65
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	10	0.65
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	16	0.65
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	15	0.65
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	16	0.65
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	19	0.65
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	2	0.64
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	17	0.64
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	2	0.64
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	12	0.64
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	5	0.64
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	10	0.64
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	17	0.64
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	2	0.64
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	12	0.64
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	5	0.64
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	10	0.64
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	2	0.64
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	17	0.64
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	2	0.64
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	12	0.64
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	5	0.64
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	10	0.64
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	17	0.64
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	18	0.64
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	3	0.64
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	3	0.64
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	14	0.64
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	7	0.64
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	10	0.64
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	18	0.64
(1,3781)	1:23:B:ASN:CB	1:25:A:LEU:CG	16	0.64
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	17	0.64
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	15	0.64
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	18	0.64
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	3	0.64
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	14	0.64
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	7	0.64
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	10	0.64
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	18	0.64
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	17	0.64
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	18	0.64
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	3	0.64
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	3	0.64
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	10	0.64
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	14	0.64
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	7	0.64
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	18	0.64
(1,3144)	1:25:C:LEU:HB2	1:27:C:LYS:HA	3	0.64
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	18	0.64
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	15	0.64
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	18	0.64
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	16	0.64
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	1	0.64
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	2	0.64
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	4	0.64
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	12	0.64
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	18	0.64
(1,2616)	1:59:C:GLY:HA3	1:60:C:VAL:HA	20	0.64
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	7	0.64
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	2	0.64
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	5	0.64
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	2	0.64
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	17	0.64
(1,2087)	1:25:B:LEU:HB2	1:27:B:LYS:HA	3	0.64
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	18	0.64
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	15	0.64
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	18	0.64
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	16	0.64
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	1	0.64
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	2	0.64
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	4	0.64
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	12	0.64
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	18	0.64
(1,1559)	1:59:B:GLY:HA3	1:60:B:VAL:HA	20	0.64
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	2	0.64
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	5	0.64
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	2	0.64
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	17	0.64
(1,1030)	1:25:A:LEU:HB2	1:27:A:LYS:HA	3	0.64
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	18	0.64
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	15	0.64
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	18	0.64
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	16	0.64
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	1	0.64
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	2	0.64
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	4	0.64
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	12	0.64
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:59:A:GLY:HA3	1:60:A:VAL:HA	20	0.64
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	10	0.64
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	2	0.64
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	5	0.64
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	2	0.64
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	17	0.64
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	16	0.63
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	4	0.63
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	12	0.63
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	16	0.63
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	4	0.63
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	12	0.63
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	16	0.63
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	4	0.63
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	12	0.63
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	18	0.63
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	19	0.63
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	4	0.63
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	7	0.63
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	1	0.63
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	12	0.63
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	15	0.63
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	1	0.63
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	3	0.63
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	9	0.63
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	19	0.63
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	8	0.63
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	2	0.63
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	18	0.63
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	19	0.63
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	4	0.63
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	7	0.63
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	1	0.63
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	12	0.63
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	15	0.63
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	1	0.63
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	3	0.63
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	9	0.63
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	19	0.63
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	8	0.63
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	18	0.63
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	4	0.63
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	7	0.63
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	1	0.63
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	12	0.63
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	15	0.63
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	1	0.63
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	3	0.63
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	9	0.63
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	19	0.63
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	17	0.63
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	8	0.63
(1,3974)	1:23:C:ASN:CB	1:25:B:LEU:CG	16	0.63
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	13	0.63
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	6	0.63
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	14	0.63
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	4	0.63
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	4	0.63
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	19	0.63
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	15	0.63
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	2	0.63
(1,3812)	1:47:C:GLN:HA	1:76:A:ARG:HB3	12	0.63
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	13	0.63
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	6	0.63
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	4	0.63
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	4	0.63
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	19	0.63
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	2	0.63
(1,3619)	1:47:B:GLN:HA	1:76:C:ARG:HB3	12	0.63
(1,3588)	1:23:A:ASN:CB	1:25:C:LEU:CG	16	0.63
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	13	0.63
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	14	0.63
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	4	0.63
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	4	0.63
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	19	0.63
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	2	0.63
(1,3427)	1:47:A:GLN:HA	1:76:B:ARG:HB3	12	0.63
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	17	0.63
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	18	0.63
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	6	0.63
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	19	0.63
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	8	0.63
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	4	0.63
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	15	0.63
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	12	0.63
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	5	0.63
(1,2163)	1:70:C:ALA:HB1	1:89:C:TYR:HB3	10	0.63
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	17	0.63
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	18	0.63
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	6	0.63
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	19	0.63
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	8	0.63
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	15	0.63
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	7	0.63
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	15	0.63
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	12	0.63
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	5	0.63
(1,1106)	1:70:B:ALA:HB1	1:89:B:TYR:HB3	10	0.63
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	17	0.63
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	18	0.63
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	6	0.63
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	19	0.63
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	8	0.63
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	15	0.63
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	7	0.63
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	15	0.63
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	12	0.63
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	5	0.63
(1,49)	1:70:A:ALA:HB1	1:89:A:TYR:HB3	10	0.63
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	14	0.62
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	14	0.62
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	14	0.62
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	14	0.62
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	14	0.62
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	14	0.62
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	8	0.62
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	19	0.62
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	17	0.62
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	5	0.62
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	7	0.62
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	9	0.62
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	17	0.62
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	8	0.62
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	17	0.62
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	7	0.62
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	9	0.62
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	17	0.62
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	8	0.62
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	19	0.62
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	17	0.62
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	7	0.62
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	9	0.62
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	16	0.62
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	12	0.62
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	7	0.62
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	10	0.62
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	15	0.62
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	8	0.62
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	15	0.62
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	12	0.62
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	3	0.62
(1,3816)	1:34:C:LYS:C	1:41:C:ALA:CB	11	0.62
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	6	0.62
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	16	0.62
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	12	0.62
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	7	0.62
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	15	0.62
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	14	0.62
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	8	0.62
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	15	0.62
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	12	0.62
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	3	0.62
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	15	0.62
(1,3623)	1:34:B:LYS:C	1:41:B:ALA:CB	11	0.62
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	6	0.62
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	16	0.62
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	12	0.62
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	7	0.62
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	15	0.62
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	6	0.62
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	8	0.62
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	15	0.62
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	12	0.62
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	3	0.62
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3431)	1:34:A:LYS:C	1:41:A:ALA:CB	11	0.62
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	6	0.62
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	13	0.62
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	19	0.62
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	13	0.62
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	19	0.62
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	13	0.62
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	19	0.62
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	20	0.62
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	15	0.62
(1,2616)	1:59:C:GLY:HA2	1:60:C:VAL:HA	3	0.62
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	9	0.62
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	13	0.62
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	19	0.62
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	5	0.62
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	11	0.62
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	11	0.62
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	18	0.62
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	19	0.62
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	20	0.62
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	15	0.62
(1,1559)	1:59:B:GLY:HA2	1:60:B:VAL:HA	3	0.62
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	9	0.62
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	13	0.62
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	4	0.62
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	19	0.62
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	5	0.62
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	14	0.62
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	14	0.62
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	11	0.62
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	11	0.62
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	18	0.62
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	19	0.62
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	20	0.62
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	15	0.62
(1,502)	1:59:A:GLY:HA2	1:60:A:VAL:HA	3	0.62
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	9	0.62
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	13	0.62
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	4	0.62
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	19	0.62
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	5	0.62
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	11	0.62
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	18	0.62
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	19	0.62
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	5	0.61
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	9	0.61
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	5	0.61
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	9	0.61
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	5	0.61
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	9	0.61
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	2	0.61
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	11	0.61
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	13	0.61
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	9	0.61
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	3	0.61
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	8	0.61
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	7	0.61
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	2	0.61
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	11	0.61
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	5	0.61
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	13	0.61
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	9	0.61
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	3	0.61
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	8	0.61
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	7	0.61
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	2	0.61
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	11	0.61
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	5	0.61
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	13	0.61
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	9	0.61
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	3	0.61
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	8	0.61
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	7	0.61
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	11	0.61
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	5	0.61
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	12	0.61
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	15	0.61
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	3	0.61
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	14	0.61
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	16	0.61
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	18	0.61
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	7	0.61
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:23:C:ASN:CB	1:25:C:LEU:CD1	3	0.61
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	17	0.61
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	20	0.61
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	11	0.61
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	11	0.61
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	5	0.61
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	10	0.61
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	12	0.61
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	15	0.61
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	3	0.61
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	14	0.61
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	16	0.61
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	18	0.61
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	7	0.61
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	6	0.61
(1,3639)	1:23:B:ASN:CB	1:25:B:LEU:CD1	3	0.61
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	17	0.61
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	20	0.61
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	11	0.61
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	11	0.61
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	5	0.61
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	10	0.61
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	12	0.61
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	15	0.61
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	3	0.61
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	14	0.61
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	16	0.61
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	18	0.61
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	7	0.61
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	6	0.61
(1,3447)	1:23:A:ASN:CB	1:25:A:LEU:CD1	3	0.61
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	17	0.61
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	20	0.61
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	11	0.61
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	13	0.61
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	13	0.61
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	13	0.61
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	5	0.61
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	14	0.61
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	12	0.61
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	3	0.61
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	8	0.61
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	4	0.61
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	20	0.61
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	4	0.61
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	3	0.61
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	10	0.61
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	2	0.61
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	5	0.61
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	12	0.61
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	3	0.61
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	8	0.61
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	4	0.61
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	20	0.61
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	4	0.61
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	3	0.61
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	4	0.61
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	10	0.61
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	2	0.61
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	5	0.61
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	14	0.61
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	12	0.61
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	3	0.61
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	14	0.61
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	8	0.61
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	4	0.61
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	20	0.61
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	4	0.61
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	3	0.61
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	4	0.61
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	10	0.61
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	2	0.61
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	16	0.6
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	1	0.6
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	16	0.6
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	1	0.6
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	16	0.6
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	1	0.6
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	16	0.6
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	9	0.6
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	2	0.6
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	9	0.6
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	19	0.6
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	16	0.6
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	9	0.6
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	2	0.6
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	9	0.6
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	12	0.6
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	19	0.6
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	16	0.6
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	9	0.6
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	2	0.6
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	9	0.6
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	12	0.6
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	19	0.6
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	17	0.6
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	18	0.6
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	11	0.6
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	16	0.6
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	20	0.6
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	8	0.6
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	13	0.6
(1,3835)	1:42:C:LEU:HA	1:84:C:LYS:HE2	9	0.6
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	1	0.6
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	13	0.6
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	17	0.6
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	18	0.6
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	11	0.6
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	16	0.6
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	20	0.6
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	8	0.6
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	13	0.6
(1,3642)	1:42:B:LEU:HA	1:84:B:LYS:HE2	9	0.6
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	1	0.6
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	13	0.6
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	17	0.6
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	18	0.6
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	11	0.6
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	16	0.6
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	20	0.6
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	8	0.6
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	13	0.6
(1,3450)	1:42:A:LEU:HA	1:84:A:LYS:HE2	9	0.6
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	13	0.6
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	1	0.6
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	2	0.6
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	19	0.6
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	16	0.6
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	14	0.6
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	6	0.6
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	20	0.6
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	8	0.6
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	4	0.6
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	18	0.6
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	14	0.6
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB3	6	0.6
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	16	0.6
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	11	0.6
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	9	0.6
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	14	0.6
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	2	0.6
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	4	0.6
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	7	0.6
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	18	0.6
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	19	0.6
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	11	0.6
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	1	0.6
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	2	0.6
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	19	0.6
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	16	0.6
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	14	0.6
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	6	0.6
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	8	0.6
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	4	0.6
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	18	0.6
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	14	0.6
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB3	6	0.6
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	16	0.6
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	11	0.6
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	9	0.6
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	14	0.6
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	2	0.6
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	7	0.6
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	18	0.6
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	11	0.6
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	1	0.6
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	2	0.6
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	19	0.6
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	16	0.6
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	14	0.6
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	6	0.6
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	8	0.6
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	4	0.6
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	18	0.6
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	14	0.6
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	16	0.6
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	11	0.6
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	9	0.6
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	14	0.6
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	2	0.6
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	7	0.6
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	18	0.6
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	19	0.6
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	11	0.6
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	3	0.59
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	8	0.59
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	3	0.59
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	8	0.59
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	3	0.59
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	8	0.59
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	7	0.59
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	10	0.59
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	10	0.59
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	15	0.59
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	19	0.59
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	12	0.59
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	7	0.59
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	10	0.59
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	10	0.59
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	15	0.59
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	19	0.59
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	12	0.59
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	15	0.59
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	7	0.59
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	10	0.59
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	15	0.59
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	19	0.59
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	12	0.59
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	12	0.59
(1,3974)	1:23:C:ASN:CB	1:25:B:LEU:CG	17	0.59
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	15	0.59
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	17	0.59
(1,3889)	1:32:C:VAL:CG1	1:33:C:ASP:C	19	0.59
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	16	0.59
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	11	0.59
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	6	0.59
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	14	0.59
(1,3832)	1:23:C:ASN:CB	1:25:C:LEU:CD1	6	0.59
(1,3832)	1:23:C:ASN:CB	1:25:C:LEU:CD1	12	0.59
(1,3827)	1:28:C:LEU:CD1	1:32:B:VAL:CA	3	0.59
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	16	0.59
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	17	0.59
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	13	0.59
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	12	0.59
(1,3781)	1:23:B:ASN:CB	1:25:A:LEU:CG	17	0.59
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	15	0.59
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	17	0.59
(1,3696)	1:32:B:VAL:CG1	1:33:B:ASP:C	19	0.59
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	16	0.59
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	11	0.59
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	6	0.59
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	14	0.59
(1,3639)	1:23:B:ASN:CB	1:25:B:LEU:CD1	6	0.59
(1,3639)	1:23:B:ASN:CB	1:25:B:LEU:CD1	12	0.59
(1,3634)	1:28:B:LEU:CD1	1:32:A:VAL:CA	3	0.59
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	16	0.59
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	17	0.59
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	13	0.59
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	12	0.59
(1,3588)	1:23:A:ASN:CB	1:25:C:LEU:CG	17	0.59
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	15	0.59
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	17	0.59
(1,3504)	1:32:A:VAL:CG1	1:33:A:ASP:C	19	0.59
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	16	0.59
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	11	0.59
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	6	0.59
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:23:A:ASN:CB	1:25:A:LEU:CD1	6	0.59
(1,3447)	1:23:A:ASN:CB	1:25:A:LEU:CD1	12	0.59
(1,3442)	1:28:A:LEU:CD1	1:32:C:VAL:CA	3	0.59
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	16	0.59
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	17	0.59
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	13	0.59
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	16	0.59
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	12	0.59
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	11	0.59
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	13	0.59
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	8	0.59
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	19	0.59
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	18	0.59
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	20	0.59
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	13	0.59
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	11	0.59
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	1	0.59
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	6	0.59
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	20	0.59
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	16	0.59
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	12	0.59
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	20	0.59
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	11	0.59
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	13	0.59
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	8	0.59
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	19	0.59
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	18	0.59
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	13	0.59
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	11	0.59
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	1	0.59
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	6	0.59
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	20	0.59
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	16	0.59
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	12	0.59
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	20	0.59
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	11	0.59
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	13	0.59
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	19	0.59
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	18	0.59
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	20	0.59
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	13	0.59
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB3	6	0.59
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	1	0.59
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	6	0.59
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	20	0.59
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	17	0.58
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	17	0.58
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	10	0.58
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	18	0.58
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	5	0.58
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	15	0.58
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	8	0.58
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	19	0.58
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	2	0.58
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	15	0.58
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	20	0.58
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	16	0.58
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	20	0.58
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	1	0.58
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	10	0.58
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	18	0.58
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	5	0.58
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	15	0.58
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	8	0.58
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	19	0.58
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	2	0.58
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	15	0.58
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	20	0.58
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	16	0.58
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	20	0.58
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	1	0.58
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	10	0.58
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	18	0.58
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	5	0.58
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	8	0.58
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	19	0.58
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	2	0.58
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	15	0.58
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	20	0.58
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	16	0.58
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	20	0.58
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	1	0.58
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	7	0.58
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	17	0.58
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	19	0.58
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	15	0.58
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	6	0.58
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	13	0.58
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	20	0.58
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	7	0.58
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	17	0.58
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	19	0.58
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	15	0.58
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	6	0.58
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	13	0.58
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	20	0.58
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	7	0.58
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	17	0.58
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	19	0.58
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	12	0.58
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	15	0.58
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	6	0.58
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	13	0.58
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	11	0.58
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	12	0.58
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	11	0.58
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	12	0.58
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	11	0.58
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	12	0.58
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	4	0.58
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	14	0.58
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	15	0.58
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	7	0.58
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	1	0.58
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	2	0.58
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	5	0.58
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	12	0.58
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	20	0.58
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	5	0.58
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB2	14	0.58
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	14	0.58
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	2	0.58
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	14	0.58
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	14	0.58
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	15	0.58
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	7	0.58
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	1	0.58
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	2	0.58
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	5	0.58
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	12	0.58
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	20	0.58
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	20	0.58
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	5	0.58
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB2	14	0.58
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	14	0.58
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	2	0.58
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	14	0.58
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	4	0.58
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	14	0.58
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	15	0.58
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	7	0.58
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	8	0.58
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	1	0.58
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	2	0.58
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	5	0.58
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	12	0.58
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	20	0.58
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	5	0.58
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB2	14	0.58
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	14	0.58
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	2	0.58
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	14	0.58
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	17	0.57
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	18	0.57
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	1	0.57
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	12	0.57
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	17	0.57
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	5	0.57
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	18	0.57
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	12	0.57
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	5	0.57
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	18	0.57
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	12	0.57
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	17	0.57
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	18	0.57
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	17	0.57
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	12	0.57
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	19	0.57
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	13	0.57
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	1	0.57
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	2	0.57
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	11	0.57
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	15	0.57
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	18	0.57
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	17	0.57
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	2	0.57
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	12	0.57
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	19	0.57
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	13	0.57
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	1	0.57
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	2	0.57
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	11	0.57
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	15	0.57
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	18	0.57
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	17	0.57
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	19	0.57
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	13	0.57
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	1	0.57
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	2	0.57
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	11	0.57
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	15	0.57
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	8	0.57
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	8	0.57
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	8	0.57
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	9	0.57
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	13	0.57
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	14	0.57
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	15	0.57
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	17	0.57
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	14	0.57
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	13	0.57
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	8	0.57
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	9	0.57
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	20	0.57
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	5	0.57
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	9	0.57
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	13	0.57
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	14	0.57
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	15	0.57
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	17	0.57
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	14	0.57
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	13	0.57
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	8	0.57
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	9	0.57
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	20	0.57
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	5	0.57
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	10	0.57
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	9	0.57
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	13	0.57
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	14	0.57
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	15	0.57
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	17	0.57
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	14	0.57
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	13	0.57
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	8	0.57
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	9	0.57
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	20	0.57
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	5	0.57
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	10	0.57
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	2	0.56
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	12	0.56
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	3	0.56
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	4	0.56
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	2	0.56
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	12	0.56
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	3	0.56
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	11	0.56
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	4	0.56
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	2	0.56
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	12	0.56
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	3	0.56
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	4	0.56
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	14	0.56
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	15	0.56
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	1	0.56
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	4	0.56
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	4	0.56
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	18	0.56
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	18	0.56
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	8	0.56
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	20	0.56
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	18	0.56
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	13	0.56
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	14	0.56
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	15	0.56
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	1	0.56
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	4	0.56
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	4	0.56
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	1	0.56
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	4	0.56
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	18	0.56
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	18	0.56
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	8	0.56
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	20	0.56
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	17	0.56
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	18	0.56
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	13	0.56
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	14	0.56
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	15	0.56
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	1	0.56
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	4	0.56
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	4	0.56
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	1	0.56
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	4	0.56
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	18	0.56
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	18	0.56
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	8	0.56
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	20	0.56
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	18	0.56
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	13	0.56
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	7	0.56
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	10	0.56
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	8	0.56
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	5	0.56
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	18	0.56
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	9	0.56
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	2	0.56
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	4	0.56
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	2	0.56
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	7	0.56
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	10	0.56
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	8	0.56
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	5	0.56
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	18	0.56
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	9	0.56
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	8	0.56
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	4	0.56
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	2	0.56
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	7	0.56
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	10	0.56
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	8	0.56
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	5	0.56
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	18	0.56
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	9	0.56
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	2	0.56
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	8	0.56
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	4	0.56
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	2	0.56
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	20	0.56
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	10	0.56
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	20	0.56
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	10	0.56
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	20	0.56
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	10	0.56
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	8	0.56
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	10	0.56
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	14	0.56
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	14	0.56
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	3	0.56
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	18	0.56
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	3	0.56
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	6	0.56
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	7	0.56
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	5	0.56
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	14	0.56
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	13	0.56
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	18	0.56
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	6	0.56
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	12	0.56
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	12	0.56
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	13	0.56
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	7	0.56
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	8	0.56
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	10	0.56
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	14	0.56
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	14	0.56
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	3	0.56
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	18	0.56
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	3	0.56
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	6	0.56
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	7	0.56
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	5	0.56
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	14	0.56
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	13	0.56
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	18	0.56
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	6	0.56
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	2	0.56
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	12	0.56
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	12	0.56
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	13	0.56
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	7	0.56
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	8	0.56
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	10	0.56
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	14	0.56
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	14	0.56
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	3	0.56
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	18	0.56
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	3	0.56
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	6	0.56
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	7	0.56
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	5	0.56
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	14	0.56
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	13	0.56
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	18	0.56
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	6	0.56
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	2	0.56
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	12	0.56
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	12	0.56
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	13	0.56
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	10	0.55
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	20	0.55
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	8	0.55
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	2	0.55
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	11	0.55
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	10	0.55
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	20	0.55
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	8	0.55
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	2	0.55
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	10	0.55
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	20	0.55
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	8	0.55
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	2	0.55
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	11	0.55
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	4	0.55
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	6	0.55
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	9	0.55
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	9	0.55
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	17	0.55
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	11	0.55
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	15	0.55
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	18	0.55
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	19	0.55
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	9	0.55
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	4	0.55
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	6	0.55
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	9	0.55
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	9	0.55
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	17	0.55
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	11	0.55
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	15	0.55
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	18	0.55
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	19	0.55
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	9	0.55
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	4	0.55
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	6	0.55
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	9	0.55
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	9	0.55
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	17	0.55
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	11	0.55
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	15	0.55
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	19	0.55
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	9	0.55
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	9	0.55
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	3	0.55
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	12	0.55
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	6	0.55
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	6	0.55
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	12	0.55
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	3	0.55
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	7	0.55
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	9	0.55
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	3	0.55
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	12	0.55
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	3	0.55
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	2	0.55
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	6	0.55
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	6	0.55
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	12	0.55
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	3	0.55
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	7	0.55
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	9	0.55
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	3	0.55
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	12	0.55
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	6	0.55
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	6	0.55
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	12	0.55
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	3	0.55
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	7	0.55
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	7	0.55
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	6	0.55
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	17	0.55
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	1	0.55
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	12	0.55
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	1	0.55
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	2	0.55
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	6	0.55
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	7	0.55
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	15	0.55
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	19	0.55
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	8	0.55
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	9	0.55
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	7	0.55
(1,2185)	1:46:C:PHE:H	1:47:C:GLN:HB2	18	0.55
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	4	0.55
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	7	0.55
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	8	0.55
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	10	0.55
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	19	0.55
(1,2168)	1:54:C:VAL:HB	1:55:C:ASN:HB2	12	0.55
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	8	0.55
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	9	0.55
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	15	0.55
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	17	0.55
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	18	0.55
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	7	0.55
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	6	0.55
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	17	0.55
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	1	0.55
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	12	0.55
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	1	0.55
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	2	0.55
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	6	0.55
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	7	0.55
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	19	0.55
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	8	0.55
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	9	0.55
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	17	0.55
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	7	0.55
(1,1128)	1:46:B:PHE:H	1:47:B:GLN:HB2	18	0.55
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	4	0.55
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	7	0.55
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	8	0.55
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	10	0.55
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	19	0.55
(1,1111)	1:54:B:VAL:HB	1:55:B:ASN:HB2	12	0.55
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	8	0.55
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	9	0.55
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	15	0.55
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	17	0.55
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	18	0.55
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	7	0.55
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	6	0.55
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	1	0.55
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	12	0.55
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	1	0.55
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	2	0.55
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	6	0.55
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	7	0.55
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	19	0.55
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	8	0.55
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	9	0.55
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	17	0.55
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	7	0.55
(1,71)	1:46:A:PHE:H	1:47:A:GLN:HB2	18	0.55
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	4	0.55
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	7	0.55
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	8	0.55
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	10	0.55
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	19	0.55
(1,54)	1:54:A:VAL:HB	1:55:A:ASN:HB2	12	0.55
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	8	0.55
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	9	0.55
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	15	0.55
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	17	0.55
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	18	0.55
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	17	0.54
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	17	0.54
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	17	0.54
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	9	0.54
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	7	0.54
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	12	0.54
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	11	0.54
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	6	0.54
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	7	0.54
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	15	0.54
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	3	0.54
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	7	0.54
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	16	0.54
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	9	0.54
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	7	0.54
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	12	0.54
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	11	0.54
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	6	0.54
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	7	0.54
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	15	0.54
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	3	0.54
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	7	0.54
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	16	0.54
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	9	0.54
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	7	0.54
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	12	0.54
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	11	0.54
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	6	0.54
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	14	0.54
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	7	0.54
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	15	0.54
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	3	0.54
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	7	0.54
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	16	0.54
(1,3989)	1:27:C:LYS:HA	1:30:C:THR:HA	14	0.54
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	6	0.54
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	5	0.54
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	2	0.54
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	3	0.54
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	13	0.54
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	19	0.54
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	2	0.54
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	4	0.54
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	16	0.54
(1,3796)	1:27:B:LYS:HA	1:30:B:THR:HA	14	0.54
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	6	0.54
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	5	0.54
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	2	0.54
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	13	0.54
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	19	0.54
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	4	0.54
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	16	0.54
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	6	0.54
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	5	0.54
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	2	0.54
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	3	0.54
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	13	0.54
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	19	0.54
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	2	0.54
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	16	0.54
(1,3410)	1:48:C:PRO:CA	1:103:A:ILE:C	16	0.54
(1,3329)	1:48:B:PRO:CA	1:103:C:ILE:C	16	0.54
(1,3248)	1:48:A:PRO:CA	1:103:B:ILE:C	16	0.54
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	3	0.54
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	19	0.54
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	2	0.54
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	11	0.54
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	9	0.54
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	9	0.54
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	20	0.54
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	10	0.54
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	11	0.54
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	15	0.54
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	16	0.54
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	16	0.54
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	13	0.54
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	15	0.54
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	9	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	5	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	11	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	13	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	14	0.54
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	18	0.54
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	16	0.54
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	19	0.54
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	3	0.54
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	19	0.54
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	2	0.54
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	11	0.54
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	9	0.54
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	9	0.54
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	20	0.54
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	10	0.54
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	11	0.54
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	15	0.54
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	16	0.54
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	15	0.54
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	16	0.54
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	13	0.54
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	15	0.54
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	5	0.54
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	11	0.54
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	13	0.54
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	14	0.54
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	18	0.54
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	16	0.54
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	19	0.54
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	3	0.54
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	19	0.54
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	2	0.54
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	11	0.54
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	9	0.54
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	9	0.54
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	20	0.54
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	10	0.54
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	11	0.54
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	15	0.54
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	16	0.54
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	15	0.54
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	16	0.54
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	13	0.54
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	15	0.54
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	9	0.54
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	5	0.54
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	11	0.54
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	13	0.54
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	14	0.54
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	18	0.54
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	16	0.54
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	19	0.54
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	5	0.53
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	6	0.53
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	5	0.53
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	6	0.53
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	5	0.53
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	6	0.53
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	5	0.53
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	12	0.53
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	15	0.53
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	2	0.53
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	6	0.53
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	19	0.53
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	11	0.53
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	5	0.53
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	13	0.53
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	14	0.53
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	14	0.53
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	13	0.53
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	14	0.53
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	19	0.53
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	17	0.53
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	20	0.53
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	5	0.53
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	16	0.53
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	12	0.53
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	15	0.53
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	2	0.53
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	6	0.53
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	19	0.53
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	11	0.53
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	5	0.53
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	13	0.53
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	14	0.53
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	13	0.53
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	14	0.53
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	19	0.53
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	17	0.53
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	20	0.53
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	5	0.53
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	6	0.53
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	12	0.53
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	15	0.53
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	2	0.53
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	6	0.53
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	3	0.53
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	19	0.53
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	11	0.53
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	5	0.53
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	13	0.53
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	14	0.53
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	13	0.53
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	14	0.53
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	17	0.53
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	20	0.53
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	18	0.53
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	20	0.53
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	14	0.53
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	12	0.53
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	9	0.53
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	15	0.53
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	3	0.53
(1,3824)	1:92:C:SER:HA	1:94:C:ASP:H	4	0.53
(1,3821)	1:33:C:ASP:N	1:34:C:LYS:CE	11	0.53
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	8	0.53
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	8	0.53
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	18	0.53
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	20	0.53
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	14	0.53
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	11	0.53
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	12	0.53
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	9	0.53
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	15	0.53
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	3	0.53
(1,3631)	1:92:B:SER:HA	1:94:B:ASP:H	4	0.53
(1,3628)	1:33:B:ASP:N	1:34:B:LYS:CE	11	0.53
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	8	0.53
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	8	0.53
(1,3603)	1:27:A:LYS:HA	1:30:A:THR:HA	14	0.53
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	18	0.53
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	20	0.53
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	14	0.53
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	11	0.53
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	12	0.53
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	9	0.53
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	15	0.53
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	3	0.53
(1,3439)	1:92:A:SER:HA	1:94:A:ASP:H	4	0.53
(1,3436)	1:33:A:ASP:N	1:34:A:LYS:CE	11	0.53
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	8	0.53
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	8	0.53
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	4	0.53
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	4	0.53
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	16	0.53
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	11	0.53
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	9	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	1	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	2	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	3	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	4	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	9	0.53
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	17	0.53
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	9	0.53
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	14	0.53
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	15	0.53
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	13	0.53
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	4	0.53
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	4	0.53
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	5	0.53
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	11	0.53
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	9	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	1	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	2	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	3	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	4	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	9	0.53
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	17	0.53
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	9	0.53
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	14	0.53
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	15	0.53
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	13	0.53
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	8	0.53
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	4	0.53
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	4	0.53
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	16	0.53
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	11	0.53
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	5	0.53
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	11	0.53
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	9	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	1	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	2	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	3	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	4	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	9	0.53
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	17	0.53
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	14	0.53
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	15	0.53
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	13	0.53
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	9	0.52
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	1	0.52
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	5	0.52
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	14	0.52
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	9	0.52
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	1	0.52
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	14	0.52
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	5	0.52
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	14	0.52
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	9	0.52
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	1	0.52
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	5	0.52
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	14	0.52
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	7	0.52
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	13	0.52
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	16	0.52
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	6	0.52
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	19	0.52
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	10	0.52
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	6	0.52
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	17	0.52
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	2	0.52
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	16	0.52
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	18	0.52
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	15	0.52
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	7	0.52
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	13	0.52
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	6	0.52
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	19	0.52
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	10	0.52
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	3	0.52
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	6	0.52
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	17	0.52
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	2	0.52
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	16	0.52
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	18	0.52
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	15	0.52
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	7	0.52
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	19	0.52
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	10	0.52
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	6	0.52
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	17	0.52
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	2	0.52
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	16	0.52
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	18	0.52
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	15	0.52
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	11	0.52
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	10	0.52
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	8	0.52
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	20	0.52
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	10	0.52
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	8	0.52
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	20	0.52
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	10	0.52
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	8	0.52
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	20	0.52
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	11	0.52
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	8	0.52
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	18	0.52
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	9	0.52
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	11	0.52
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	9	0.52
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	2	0.52
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	6	0.52
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	1	0.52
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	5	0.52
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	10	0.52
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	6	0.52
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	20	0.52
(1,2178)	1:102:C:ASN:CA	1:104:C:GLU:CG	7	0.52
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	9	0.52
(1,2166)	1:60:C:VAL:N	1:61:C:GLY:C	12	0.52
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	2	0.52
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	8	0.52
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	9	0.52
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	11	0.52
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	8	0.52
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	18	0.52
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	16	0.52
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	11	0.52
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	9	0.52
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	2	0.52
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	6	0.52
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	1	0.52
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	5	0.52
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	10	0.52
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	6	0.52
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	20	0.52
(1,1121)	1:102:B:ASN:CA	1:104:B:GLU:CG	7	0.52
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	9	0.52
(1,1109)	1:60:B:VAL:N	1:61:B:GLY:C	12	0.52
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	2	0.52
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	8	0.52
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	9	0.52
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	11	0.52
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	18	0.52
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	9	0.52
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	9	0.52
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	2	0.52
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	6	0.52
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	1	0.52
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	4	0.52
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	5	0.52
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	10	0.52
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	6	0.52
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	20	0.52
(1,64)	1:102:A:ASN:CA	1:104:A:GLU:CG	7	0.52
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	9	0.52
(1,52)	1:60:A:VAL:N	1:61:A:GLY:C	12	0.52
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	2	0.52
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	8	0.52
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	9	0.52
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	14	0.51
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	14	0.51
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	10	0.51
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	13	0.51
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	6	0.51
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	13	0.51
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	18	0.51
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	8	0.51
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	10	0.51
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	13	0.51
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	13	0.51
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	18	0.51
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	8	0.51
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	14	0.51
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	14	0.51
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	10	0.51
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	13	0.51
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	6	0.51
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	13	0.51
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	18	0.51
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	8	0.51
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	13	0.51
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	12	0.51
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	10	0.51
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	15	0.51
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	4	0.51
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	20	0.51
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	7	0.51
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	14	0.51
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	5	0.51
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	10	0.51
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	19	0.51
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	10	0.51
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	15	0.51
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	13	0.51
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	12	0.51
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	10	0.51
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	15	0.51
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	4	0.51
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	20	0.51
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	7	0.51
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	14	0.51
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	5	0.51
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	10	0.51
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	19	0.51
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	10	0.51
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	15	0.51
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	13	0.51
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	12	0.51
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	10	0.51
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	15	0.51
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	4	0.51
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	20	0.51
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	7	0.51
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	14	0.51
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	5	0.51
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	10	0.51
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	19	0.51
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	10	0.51
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	15	0.51
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	1	0.51
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	14	0.51
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	13	0.51
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	12	0.51
(1,3932)	1:21:C:LEU:CD1	1:23:C:ASN:CB	11	0.51
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	19	0.51
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	4	0.51
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	6	0.51
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	9	0.51
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	2	0.51
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	2	0.51
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	4	0.51
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	14	0.51
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	1	0.51
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	13	0.51
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	12	0.51
(1,3739)	1:21:B:LEU:CD1	1:23:B:ASN:CB	11	0.51
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	19	0.51
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	4	0.51
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	6	0.51
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	9	0.51
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	2	0.51
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	2	0.51
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	14	0.51
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	1	0.51
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	13	0.51
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	12	0.51
(1,3547)	1:21:A:LEU:CD1	1:23:A:ASN:CB	11	0.51
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	19	0.51
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	4	0.51
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	9	0.51
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	2	0.51
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	4	0.51
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	14	0.51
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	1	0.51
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	2	0.51
(1,3330)	1:48:B:PRO:CA	1:104:C:GLU:CA	16	0.51
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	1	0.51
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	2	0.51
(1,3249)	1:48:A:PRO:CA	1:104:B:GLU:CA	16	0.51
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	1	0.51
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	2	0.51
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	8	0.51
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	13	0.51
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	4	0.51
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	9	0.51
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	10	0.51
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	18	0.51
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	16	0.51
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	20	0.51
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	19	0.51
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	8	0.51
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	13	0.51
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	4	0.51
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	9	0.51
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	10	0.51
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	18	0.51
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	16	0.51
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	20	0.51
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	19	0.51
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	8	0.51
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	13	0.51
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	9	0.51
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	10	0.51
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	18	0.51
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	16	0.51
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	20	0.51
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	19	0.51
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	17	0.5
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	8	0.5
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	7	0.5
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	17	0.5
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	8	0.5
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	7	0.5
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	6	0.5
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	20	0.5
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	17	0.5
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	8	0.5
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	7	0.5
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	20	0.5
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	1	0.5
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	8	0.5
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	14	0.5
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	9	0.5
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	4	0.5
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	13	0.5
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	14	0.5
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	9	0.5
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	4	0.5
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	11	0.5
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	20	0.5
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	9	0.5
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	15	0.5
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	3	0.5
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	11	0.5
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	18	0.5
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	1	0.5
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	8	0.5
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	14	0.5
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	9	0.5
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	4	0.5
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	13	0.5
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	14	0.5
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	9	0.5
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	4	0.5
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	11	0.5
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	20	0.5
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	9	0.5
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	15	0.5
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	3	0.5
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	11	0.5
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	18	0.5
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	8	0.5
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	14	0.5
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	9	0.5
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	4	0.5
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	13	0.5
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	14	0.5
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	9	0.5
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	4	0.5
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	11	0.5
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	20	0.5
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	9	0.5
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	15	0.5
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	3	0.5
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	11	0.5
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	18	0.5
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	4	0.5
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	19	0.5
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	15	0.5
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	20	0.5
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	16	0.5
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	4	0.5
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	1	0.5
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	5	0.5
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	17	0.5
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	4	0.5
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	19	0.5
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	14	0.5
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	15	0.5
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	20	0.5
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	16	0.5
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	4	0.5
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	1	0.5
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	5	0.5
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	17	0.5
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	4	0.5
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	4	0.5
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	19	0.5
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	14	0.5
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	15	0.5
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	20	0.5
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	16	0.5
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	1	0.5
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	5	0.5
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	2	0.5
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	17	0.5
(1,3411)	1:48:C:PRO:CA	1:104:A:GLU:CA	16	0.5
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	5	0.5
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	12	0.5
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	14	0.5
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	17	0.5
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	13	0.5
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	12	0.5
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	9	0.5
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	7	0.5
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	10	0.5
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	12	0.5
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	8	0.5
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	17	0.5
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	17	0.5
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	15	0.5
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	19	0.5
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	12	0.5
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	14	0.5
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	17	0.5
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	13	0.5
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	12	0.5
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	9	0.5
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	7	0.5
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	10	0.5
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	12	0.5
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	6	0.5
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	8	0.5
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	17	0.5
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	17	0.5
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	15	0.5
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	19	0.5
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	12	0.5
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	14	0.5
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	17	0.5
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	13	0.5
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	12	0.5
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	9	0.5
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	10	0.5
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	12	0.5
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	6	0.5
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	8	0.5
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	17	0.5
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	17	0.5
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	15	0.5
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	6	0.5
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	19	0.5
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	19	0.49
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	13	0.49
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	20	0.49
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	14	0.49
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	10	0.49
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	12	0.49
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	7	0.49
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	2	0.49
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	3	0.49
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	19	0.49
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	13	0.49
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	20	0.49
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	14	0.49
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	10	0.49
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	12	0.49
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	7	0.49
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	2	0.49
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	3	0.49
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	19	0.49
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	13	0.49
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	20	0.49
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	14	0.49
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	7	0.49
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	10	0.49
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	12	0.49
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	2	0.49
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	3	0.49
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	14	0.49
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	19	0.49
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	11	0.49
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	10	0.49
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	11	0.49
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	7	0.49
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	8	0.49
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	9	0.49
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	12	0.49
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	16	0.49
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	8	0.49
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	6	0.49
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	13	0.49
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	20	0.49
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	3	0.49
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	20	0.49
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	11	0.49
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	8	0.49
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	14	0.49
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	19	0.49
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	11	0.49
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	10	0.49
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	11	0.49
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	6	0.49
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	7	0.49
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	8	0.49
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	9	0.49
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	12	0.49
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	16	0.49
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	8	0.49
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	6	0.49
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	13	0.49
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	20	0.49
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	3	0.49
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	20	0.49
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	11	0.49
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	8	0.49
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	14	0.49
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	19	0.49
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	11	0.49
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	10	0.49
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	11	0.49
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	6	0.49
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	7	0.49
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	8	0.49
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	9	0.49
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	16	0.49
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	8	0.49
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	6	0.49
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	13	0.49
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	20	0.49
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	3	0.49
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	17	0.49
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	11	0.49
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	8	0.49
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	10	0.49
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	1	0.49
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	18	0.49
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	8	0.49
(1,3809)	1:45:C:LEU:CB	1:102:A:ASN:CG	12	0.49
(1,3804)	1:43:C:ASN:CA	1:70:C:ALA:CA	9	0.49
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	17	0.49
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	10	0.49
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	1	0.49
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	18	0.49
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	8	0.49
(1,3616)	1:45:B:LEU:CB	1:102:C:ASN:CG	12	0.49
(1,3611)	1:43:B:ASN:CA	1:70:B:ALA:CA	9	0.49
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	17	0.49
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	10	0.49
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	1	0.49
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	18	0.49
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	3	0.49
(1,3424)	1:45:A:LEU:CB	1:102:B:ASN:CG	12	0.49
(1,3419)	1:43:A:ASN:CA	1:70:A:ALA:CA	9	0.49
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	17	0.49
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	5	0.49
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	10	0.49
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	10	0.49
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	5	0.49
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	10	0.49
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	4	0.49
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	1	0.49
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	3	0.49
(1,2786)	1:30:C:THR:CB	1:32:C:VAL:C	4	0.49
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	1	0.49
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	6	0.49
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	6	0.49
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	6	0.49
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	1	0.49
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	4	0.49
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	6	0.49
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	11	0.49
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	4	0.49
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	1	0.49
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	3	0.49
(1,1729)	1:30:B:THR:CB	1:32:B:VAL:C	4	0.49
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	1	0.49
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	6	0.49
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	17	0.49
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	6	0.49
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	3	0.49
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	1	0.49
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	4	0.49
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	6	0.49
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	11	0.49
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	4	0.49
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	1	0.49
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	3	0.49
(1,672)	1:30:A:THR:CB	1:32:A:VAL:C	4	0.49
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	1	0.49
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	6	0.49
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	17	0.49
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	6	0.49
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	3	0.49
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	1	0.49
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	4	0.49
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	11	0.49
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	14	0.48
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	10	0.48
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	14	0.48
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	10	0.48
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	14	0.48
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	10	0.48
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	8	0.48
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	18	0.48
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	1	0.48
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	14	0.48
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	3	0.48
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	10	0.48
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	5	0.48
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	3	0.48
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	1	0.48
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	17	0.48
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	8	0.48
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	10	0.48
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	18	0.48
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	8	0.48
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	8	0.48
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	18	0.48
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	1	0.48
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	14	0.48
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	8	0.48
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	3	0.48
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	10	0.48
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	5	0.48
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	3	0.48
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	1	0.48
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	17	0.48
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	8	0.48
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	10	0.48
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	18	0.48
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	8	0.48
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	8	0.48
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	18	0.48
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	1	0.48
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	14	0.48
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	8	0.48
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	3	0.48
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	10	0.48
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	5	0.48
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	3	0.48
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	1	0.48
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	20	0.48
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	8	0.48
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	10	0.48
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	18	0.48
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	8	0.48
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	11	0.48
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	7	0.48
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	10	0.48
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	12	0.48
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	16	0.48
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	3	0.48
(1,3800)	1:31:C:ARG:CD	1:33:C:ASP:CB	12	0.48
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	11	0.48
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	11	0.48
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	7	0.48
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	10	0.48
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	12	0.48
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	16	0.48
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	3	0.48
(1,3607)	1:31:B:ARG:CD	1:33:B:ASP:CB	12	0.48
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	11	0.48
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	11	0.48
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	8	0.48
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	7	0.48
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	10	0.48
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	12	0.48
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	16	0.48
(1,3415)	1:31:A:ARG:CD	1:33:A:ASP:CB	12	0.48
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	9	0.48
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	10	0.48
(1,2588)	1:55:C:ASN:CA	1:57:C:THR:C	12	0.48
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	2	0.48
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	11	0.48
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	7	0.48
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	13	0.48
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	3	0.48
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	12	0.48
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	19	0.48
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	5	0.48
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	13	0.48
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	16	0.48
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	4	0.48
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	12	0.48
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	9	0.48
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	10	0.48
(1,1531)	1:55:B:ASN:CA	1:57:B:THR:C	12	0.48
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	2	0.48
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	7	0.48
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	13	0.48
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	12	0.48
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	19	0.48
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	5	0.48
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	13	0.48
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	16	0.48
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	4	0.48
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	12	0.48
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	9	0.48
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	10	0.48
(1,474)	1:55:A:ASN:CA	1:57:A:THR:C	12	0.48
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	2	0.48
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	11	0.48
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	7	0.48
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	13	0.48
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	12	0.48
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	19	0.48
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	5	0.48
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	13	0.48
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	16	0.48
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	4	0.48
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	14	0.47
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	4	0.47
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	6	0.47
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	9	0.47
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	17	0.47
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	11	0.47
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	18	0.47
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	14	0.47
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	4	0.47
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	6	0.47
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	9	0.47
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	17	0.47
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	11	0.47
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	18	0.47
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	20	0.47
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	14	0.47
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	4	0.47
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	6	0.47
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	9	0.47
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	11	0.47
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	18	0.47
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	20	0.47
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	15	0.47
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	4	0.47
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	8	0.47
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	15	0.47
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	20	0.47
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	9	0.47
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	12	0.47
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	14	0.47
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	13	0.47
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	8	0.47
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	20	0.47
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	14	0.47
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	11	0.47
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	18	0.47
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	14	0.47
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	15	0.47
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	4	0.47
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	8	0.47
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	15	0.47
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	20	0.47
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	9	0.47
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	12	0.47
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	14	0.47
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	13	0.47
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	8	0.47
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	20	0.47
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	14	0.47
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	11	0.47
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	18	0.47
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	14	0.47
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	15	0.47
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	4	0.47
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	8	0.47
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	15	0.47
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	20	0.47
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	9	0.47
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	12	0.47
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	14	0.47
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	8	0.47
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	3	0.47
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	20	0.47
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	14	0.47
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	11	0.47
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	18	0.47
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	14	0.47
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	7	0.47
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	7	0.47
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	15	0.47
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	4	0.47
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	9	0.47
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	9	0.47
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	13	0.47
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	7	0.47
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	7	0.47
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	15	0.47
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	4	0.47
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	9	0.47
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	9	0.47
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	13	0.47
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	7	0.47
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	15	0.47
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	4	0.47
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	9	0.47
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	9	0.47
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	13	0.47
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	5	0.47
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	5	0.47
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	5	0.47
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	18	0.47
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	1	0.47
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	3	0.47
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	18	0.47
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	11	0.47
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	12	0.47
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	18	0.47
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	5	0.47
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	2	0.47
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	3	0.47
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	15	0.47
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	19	0.47
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	19	0.47
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	9	0.47
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	8	0.47
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	14	0.47
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	2	0.47
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	12	0.47
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	6	0.47
(1,2176)	1:77:C:VAL:N	1:83:C:LEU:CG	12	0.47
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	1	0.47
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	4	0.47
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	15	0.47
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	18	0.47
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	1	0.47
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	3	0.47
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	18	0.47
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	11	0.47
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	5	0.47
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	2	0.47
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	3	0.47
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	15	0.47
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	16	0.47
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	19	0.47
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	19	0.47
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	9	0.47
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	8	0.47
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	14	0.47
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	2	0.47
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	12	0.47
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	6	0.47
(1,1119)	1:77:B:VAL:N	1:83:B:LEU:CG	12	0.47
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	1	0.47
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	4	0.47
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	15	0.47
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	18	0.47
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	1	0.47
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	3	0.47
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	18	0.47
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	11	0.47
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	18	0.47
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	5	0.47
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	3	0.47
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	15	0.47
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	16	0.47
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	19	0.47
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	19	0.47
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	9	0.47
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	8	0.47
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	14	0.47
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	2	0.47
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	12	0.47
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	6	0.47
(1,62)	1:77:A:VAL:N	1:83:A:LEU:CG	12	0.47
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	1	0.47
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	4	0.47
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	15	0.47
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	13	0.46
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	16	0.46
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	9	0.46
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	13	0.46
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	5	0.46
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	16	0.46
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	1	0.46
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	7	0.46
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	20	0.46
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	13	0.46
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	16	0.46
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	9	0.46
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	13	0.46
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	5	0.46
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	16	0.46
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	1	0.46
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	7	0.46
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	13	0.46
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	16	0.46
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	9	0.46
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	13	0.46
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	5	0.46
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	16	0.46
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	1	0.46
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	7	0.46
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	10	0.46
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	4	0.46
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	14	0.46
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	2	0.46
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	3	0.46
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	8	0.46
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	16	0.46
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	8	0.46
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	4	0.46
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	20	0.46
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	10	0.46
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	17	0.46
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	20	0.46
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	2	0.46
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	2	0.46
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	3	0.46
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	11	0.46
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	17	0.46
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	10	0.46
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	16	0.46
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	4	0.46
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	14	0.46
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	2	0.46
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	3	0.46
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	8	0.46
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	16	0.46
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	8	0.46
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	4	0.46
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	20	0.46
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	10	0.46
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	17	0.46
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	20	0.46
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	2	0.46
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	2	0.46
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	3	0.46
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	11	0.46
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	17	0.46
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	17	0.46
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	10	0.46
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	16	0.46
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	4	0.46
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	14	0.46
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	3	0.46
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	8	0.46
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	16	0.46
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	8	0.46
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	4	0.46
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	20	0.46
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	10	0.46
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	17	0.46
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	20	0.46
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	2	0.46
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	2	0.46
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	11	0.46
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	17	0.46
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	16	0.46
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	1	0.46
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	18	0.46
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	9	0.46
(1,3849)	1:47:C:GLN:CD	1:104:A:GLU:CB	12	0.46
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	11	0.46
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	16	0.46
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	1	0.46
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	18	0.46
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	9	0.46
(1,3656)	1:47:B:GLN:CD	1:104:C:GLU:CB	12	0.46
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	11	0.46
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	16	0.46
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	1	0.46
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	7	0.46
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	18	0.46
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	9	0.46
(1,3464)	1:47:A:GLN:CD	1:104:B:GLU:CB	12	0.46
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	11	0.46
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	12	0.46
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	18	0.46
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	15	0.46
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	14	0.46
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	1	0.46
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	15	0.46
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	13	0.46
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	8	0.46
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	20	0.46
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	20	0.46
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	17	0.46
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	7	0.46
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	18	0.46
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	3	0.46
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	13	0.46
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	5	0.46
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	8	0.46
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	18	0.46
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	15	0.46
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	14	0.46
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	1	0.46
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	18	0.46
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	15	0.46
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	13	0.46
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	8	0.46
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	20	0.46
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	3	0.46
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	20	0.46
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	17	0.46
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	7	0.46
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	18	0.46
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	5	0.46
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	3	0.46
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	13	0.46
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	5	0.46
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	8	0.46
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	18	0.46
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	15	0.46
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	14	0.46
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	1	0.46
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	15	0.46
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	13	0.46
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	8	0.46
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	20	0.46
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	20	0.46
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	17	0.46
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	7	0.46
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	18	0.46
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	3	0.46
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	13	0.46
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	8	0.46
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	19	0.45
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	17	0.45
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	5	0.45
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	19	0.45
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	17	0.45
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	5	0.45
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	19	0.45
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	17	0.45
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	5	0.45
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	16	0.45
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	16	0.45
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	14	0.45
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	17	0.45
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	17	0.45
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	13	0.45
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	6	0.45
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	19	0.45
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	8	0.45
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	14	0.45
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	14	0.45
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	11	0.45
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	17	0.45
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	15	0.45
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	17	0.45
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	5	0.45
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	13	0.45
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	16	0.45
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	16	0.45
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	14	0.45
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	17	0.45
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	17	0.45
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	13	0.45
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	6	0.45
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	19	0.45
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	8	0.45
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	14	0.45
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	14	0.45
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	11	0.45
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	15	0.45
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	17	0.45
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	13	0.45
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	16	0.45
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	16	0.45
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	17	0.45
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	19	0.45
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	17	0.45
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	13	0.45
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	6	0.45
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	19	0.45
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	8	0.45
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	14	0.45
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	14	0.45
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	11	0.45
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	17	0.45
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	15	0.45
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	17	0.45
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	5	0.45
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	13	0.45
(1,3975)	1:47:C:GLN:C	1:84:C:LYS:CD	9	0.45
(1,3958)	1:28:C:LEU:CD2	1:30:C:THR:CA	11	0.45
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	3	0.45
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	2	0.45
(1,3881)	1:44:C:SER:CA	1:99:A:ALA:CA	20	0.45
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	11	0.45
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	14	0.45
(1,3782)	1:47:B:GLN:C	1:84:B:LYS:CD	9	0.45
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	3	0.45
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	2	0.45
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	14	0.45
(1,3688)	1:44:B:SER:CA	1:99:C:ALA:CA	20	0.45
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	11	0.45
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	14	0.45
(1,3589)	1:47:A:GLN:C	1:84:A:LYS:CD	9	0.45
(1,3572)	1:28:A:LEU:CD2	1:30:A:THR:CA	11	0.45
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	3	0.45
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	2	0.45
(1,3496)	1:44:A:SER:CA	1:99:B:ALA:CA	20	0.45
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	11	0.45
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	14	0.45
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	12	0.45
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	12	0.45
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	3	0.45
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	16	0.45
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	6	0.45
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	5	0.45
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	13	0.45
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	1	0.45
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	14	0.45
(1,2207)	1:60:C:VAL:HA	1:62:C:GLY:H	10	0.45
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	19	0.45
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	5	0.45
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	15	0.45
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	16	0.45
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	16	0.45
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	14	0.45
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	15	0.45
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	17	0.45
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	11	0.45
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	3	0.45
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	16	0.45
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	6	0.45
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	5	0.45
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	5	0.45
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	13	0.45
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	1	0.45
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	14	0.45
(1,1150)	1:60:B:VAL:HA	1:62:B:GLY:H	10	0.45
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	19	0.45
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	15	0.45
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	16	0.45
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	16	0.45
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	14	0.45
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	15	0.45
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	17	0.45
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	11	0.45
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	3	0.45
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	16	0.45
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	6	0.45
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	5	0.45
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	13	0.45
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	1	0.45
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	3	0.45
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:60:A:VAL:HA	1:62:A:GLY:H	10	0.45
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	19	0.45
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	5	0.45
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	15	0.45
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	16	0.45
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	16	0.45
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	14	0.45
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	15	0.45
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	17	0.45
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	8	0.44
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	6	0.44
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	8	0.44
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	6	0.44
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	8	0.44
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	6	0.44
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	5	0.44
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	9	0.44
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	17	0.44
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	10	0.44
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	20	0.44
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	1	0.44
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	19	0.44
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	14	0.44
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	8	0.44
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	13	0.44
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	7	0.44
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	10	0.44
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	11	0.44
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	13	0.44
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	19	0.44
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	11	0.44
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	4	0.44
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	13	0.44
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	10	0.44
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	10	0.44
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	14	0.44
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	7	0.44
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	10	0.44
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	7	0.44
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	5	0.44
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	17	0.44
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	20	0.44
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	1	0.44
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	19	0.44
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	14	0.44
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	8	0.44
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	13	0.44
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	7	0.44
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	10	0.44
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	11	0.44
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	13	0.44
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	19	0.44
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	11	0.44
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	13	0.44
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	10	0.44
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	10	0.44
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	14	0.44
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	15	0.44
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	7	0.44
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	10	0.44
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	7	0.44
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	5	0.44
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	9	0.44
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	17	0.44
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	10	0.44
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	20	0.44
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	1	0.44
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	14	0.44
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	14	0.44
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	8	0.44
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	13	0.44
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	7	0.44
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	10	0.44
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	11	0.44
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	13	0.44
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	19	0.44
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	11	0.44
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	4	0.44
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	13	0.44
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	10	0.44
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	10	0.44
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	14	0.44
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	10	0.44
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	7	0.44
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	7	0.44
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	14	0.44
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	3	0.44
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	6	0.44
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	5	0.44
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	6	0.44
(1,3765)	1:28:B:LEU:CD2	1:30:B:THR:CA	11	0.44
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	7	0.44
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	3	0.44
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	6	0.44
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	5	0.44
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	6	0.44
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	7	0.44
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	14	0.44
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	3	0.44
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	6	0.44
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	5	0.44
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	6	0.44
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	7	0.44
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	7	0.44
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	9	0.44
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	2	0.44
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	20	0.44
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	5	0.44
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	7	0.44
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	20	0.44
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	16	0.44
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	11	0.44
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	11	0.44
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	18	0.44
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	18	0.44
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	1	0.44
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	8	0.44
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	14	0.44
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	20	0.44
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	5	0.44
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	7	0.44
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	6	0.44
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	1	0.44
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	13	0.44
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	7	0.44
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	7	0.44
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	9	0.44
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	2	0.44
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	20	0.44
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	7	0.44
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	20	0.44
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	16	0.44
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	11	0.44
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	11	0.44
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	18	0.44
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	18	0.44
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	1	0.44
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	8	0.44
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	14	0.44
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	20	0.44
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	5	0.44
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	7	0.44
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	6	0.44
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	1	0.44
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	7	0.44
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	13	0.44
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	7	0.44
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	7	0.44
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	9	0.44
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	2	0.44
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	20	0.44
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	5	0.44
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	7	0.44
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	20	0.44
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	16	0.44
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	11	0.44
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	11	0.44
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	18	0.44
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	18	0.44
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	1	0.44
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	8	0.44
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	14	0.44
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	20	0.44
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	5	0.44
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	6	0.44
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	1	0.44
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	7	0.44
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	13	0.44
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	20	0.43
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	17	0.43
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	20	0.43
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	15	0.43
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	17	0.43
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	20	0.43
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	15	0.43
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	17	0.43
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	13	0.43
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	15	0.43
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	17	0.43
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	19	0.43
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	7	0.43
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	5	0.43
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	2	0.43
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	15	0.43
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	11	0.43
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	4	0.43
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	11	0.43
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	10	0.43
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	15	0.43
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	8	0.43
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	15	0.43
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	14	0.43
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	17	0.43
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	8	0.43
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	9	0.43
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	13	0.43
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	9	0.43
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	13	0.43
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	15	0.43
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	17	0.43
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	19	0.43
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	7	0.43
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	5	0.43
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	2	0.43
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	15	0.43
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	11	0.43
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	4	0.43
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	11	0.43
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	10	0.43
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	15	0.43
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	8	0.43
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	14	0.43
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	17	0.43
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	8	0.43
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	9	0.43
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	13	0.43
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	13	0.43
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	15	0.43
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	5	0.43
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	17	0.43
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	19	0.43
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	7	0.43
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	5	0.43
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	2	0.43
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	15	0.43
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	11	0.43
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	4	0.43
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	11	0.43
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	10	0.43
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	8	0.43
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	15	0.43
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	14	0.43
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	17	0.43
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	8	0.43
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	9	0.43
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	13	0.43
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	10	0.43
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	10	0.43
(1,3827)	1:28:C:LEU:CD1	1:32:B:VAL:CA	4	0.43
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	10	0.43
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	10	0.43
(1,3634)	1:28:B:LEU:CD1	1:32:A:VAL:CA	4	0.43
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	10	0.43
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	10	0.43
(1,3442)	1:28:A:LEU:CD1	1:32:C:VAL:CA	4	0.43
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	13	0.43
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	17	0.43
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	17	0.43
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	18	0.43
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	5	0.43
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	8	0.43
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	14	0.43
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	17	0.43
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	4	0.43
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	11	0.43
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	16	0.43
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	10	0.43
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	10	0.43
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	16	0.43
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	13	0.43
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	8	0.43
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	17	0.43
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	17	0.43
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	18	0.43
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	5	0.43
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	8	0.43
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	14	0.43
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	17	0.43
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	4	0.43
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	11	0.43
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	16	0.43
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	10	0.43
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	10	0.43
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	16	0.43
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	13	0.43
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	8	0.43
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	17	0.43
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	17	0.43
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	18	0.43
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	8	0.43
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	5	0.43
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	8	0.43
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	14	0.43
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	17	0.43
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	4	0.43
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	11	0.43
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	16	0.43
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	10	0.43
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	16	0.43
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	9	0.42
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	15	0.42
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	13	0.42
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	9	0.42
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	13	0.42
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	9	0.42
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	13	0.42
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	18	0.42
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	4	0.42
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	8	0.42
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	11	0.42
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	5	0.42
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	20	0.42
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	7	0.42
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	20	0.42
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	9	0.42
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	11	0.42
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	19	0.42
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	1	0.42
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	15	0.42
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	4	0.42
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	17	0.42
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	3	0.42
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	16	0.42
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	19	0.42
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	15	0.42
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	12	0.42
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	20	0.42
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	4	0.42
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	19	0.42
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	16	0.42
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	2	0.42
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	18	0.42
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	4	0.42
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	8	0.42
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	17	0.42
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	11	0.42
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	5	0.42
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	20	0.42
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	9	0.42
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	11	0.42
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	1	0.42
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	15	0.42
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	17	0.42
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	3	0.42
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	16	0.42
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	19	0.42
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	15	0.42
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	12	0.42
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	20	0.42
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	4	0.42
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	19	0.42
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	16	0.42
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	18	0.42
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	4	0.42
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	8	0.42
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	11	0.42
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	20	0.42
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	7	0.42
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	9	0.42
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	11	0.42
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	19	0.42
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	1	0.42
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	15	0.42
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	17	0.42
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	3	0.42
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	16	0.42
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	19	0.42
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	15	0.42
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	12	0.42
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	15	0.42
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	20	0.42
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	4	0.42
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	19	0.42
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	16	0.42
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	2	0.42
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	17	0.42
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	8	0.42
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	13	0.42
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	20	0.42
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	12	0.42
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	13	0.42
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	6	0.42
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	1	0.42
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	10	0.42
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	14	0.42
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	18	0.42
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	17	0.42
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	8	0.42
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	13	0.42
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	20	0.42
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	9	0.42
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	12	0.42
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	13	0.42
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	6	0.42
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	1	0.42
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	10	0.42
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	14	0.42
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	18	0.42
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	17	0.42
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	8	0.42
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	20	0.42
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	9	0.42
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	12	0.42
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	13	0.42
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	6	0.42
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	1	0.42
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	10	0.42
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	14	0.42
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	18	0.42
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	1	0.42
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	13	0.42
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	1	0.42
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	13	0.42
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	1	0.42
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	13	0.42
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	13	0.42
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	19	0.42
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	10	0.42
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	9	0.42
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	10	0.42
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	16	0.42
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	2	0.42
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	6	0.42
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	3	0.42
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	12	0.42
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	14	0.42
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	4	0.42
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	15	0.42
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	16	0.42
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	16	0.42
(1,2219)	1:88:C:ALA:CB	1:97:C:TYR:N	1	0.42
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	8	0.42
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	18	0.42
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	3	0.42
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	4	0.42
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	3	0.42
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	5	0.42
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	13	0.42
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	13	0.42
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	19	0.42
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	10	0.42
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	9	0.42
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	10	0.42
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	17	0.42
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	8	0.42
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	16	0.42
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	2	0.42
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	6	0.42
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	3	0.42
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	12	0.42
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	14	0.42
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	4	0.42
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	15	0.42
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	16	0.42
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	16	0.42
(1,1162)	1:88:B:ALA:CB	1:97:B:TYR:N	1	0.42
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	8	0.42
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	18	0.42
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	3	0.42
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	4	0.42
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	3	0.42
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	13	0.42
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	13	0.42
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	19	0.42
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	10	0.42
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	9	0.42
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	10	0.42
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	17	0.42
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	16	0.42
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	2	0.42
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	6	0.42
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	3	0.42
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	12	0.42
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	14	0.42
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	4	0.42
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	15	0.42
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	16	0.42
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	16	0.42
(1,105)	1:88:A:ALA:CB	1:97:A:TYR:N	1	0.42
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	8	0.42
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	18	0.42
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	3	0.42
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	4	0.42
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	3	0.42
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	13	0.42
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	20	0.41
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	20	0.41
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	20	0.41
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	7	0.41
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	10	0.41
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	20	0.41
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	20	0.41
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	20	0.41
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	7	0.41
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	10	0.41
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	20	0.41
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	20	0.41
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	20	0.41
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	7	0.41
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	10	0.41
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	10	0.41
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	17	0.41
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	1	0.41
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	17	0.41
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	15	0.41
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	1	0.41
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	18	0.41
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	1	0.41
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	7	0.41
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	5	0.41
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	12	0.41
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	8	0.41
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	1	0.41
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	15	0.41
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	8	0.41
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	9	0.41
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	7	0.41
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	12	0.41
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	3	0.41
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	6	0.41
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	5	0.41
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	14	0.41
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	10	0.41
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	13	0.41
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	1	0.41
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	17	0.41
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	15	0.41
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	20	0.41
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	1	0.41
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	18	0.41
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	1	0.41
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	7	0.41
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	19	0.41
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	5	0.41
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	12	0.41
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	8	0.41
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	4	0.41
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	1	0.41
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	15	0.41
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	8	0.41
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	9	0.41
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	7	0.41
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	12	0.41
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	3	0.41
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	5	0.41
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	14	0.41
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	10	0.41
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	17	0.41
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	13	0.41
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	1	0.41
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	17	0.41
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	15	0.41
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	20	0.41
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	1	0.41
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	18	0.41
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	1	0.41
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	7	0.41
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	5	0.41
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	12	0.41
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	8	0.41
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	4	0.41
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	1	0.41
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	15	0.41
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	8	0.41
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	9	0.41
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	7	0.41
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	12	0.41
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	3	0.41
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	6	0.41
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	5	0.41
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	14	0.41
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	6	0.41
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	13	0.41
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	3	0.41
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	5	0.41
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	6	0.41
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	8	0.41
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	13	0.41
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	5	0.41
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	13	0.41
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	6	0.41
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	13	0.41
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	3	0.41
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	5	0.41
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	15	0.41
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	4	0.41
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	15	0.41
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	4	0.41
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	15	0.41
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	9	0.41
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	10	0.41
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	11	0.41
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	19	0.41
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	7	0.41
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	17	0.41
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	5	0.41
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	13	0.41
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	1	0.41
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	3	0.41
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	6	0.41
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	18	0.41
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	5	0.41
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	13	0.41
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	4	0.41
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	12	0.41
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	1	0.41
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG23	13	0.41
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	15	0.41
(1,2174)	1:67:C:GLN:CA	1:69:C:LEU:N	2	0.41
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	12	0.41
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	14	0.41
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	9	0.41
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	10	0.41
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	11	0.41
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	19	0.41
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	7	0.41
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	5	0.41
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	13	0.41
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	1	0.41
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	3	0.41
(1,1462)	1:100:B:SER:H	1:101:B:PHE:HB3	15	0.41
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	6	0.41
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	5	0.41
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	13	0.41
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	4	0.41
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG23	13	0.41
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	15	0.41
(1,1117)	1:67:B:GLN:CA	1:69:B:LEU:N	2	0.41
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	12	0.41
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	14	0.41
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	9	0.41
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	10	0.41
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	11	0.41
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	19	0.41
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	7	0.41
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	5	0.41
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	13	0.41
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	1	0.41
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	3	0.41
(1,405)	1:100:A:SER:H	1:101:A:PHE:HB3	15	0.41
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	6	0.41
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	18	0.41
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	5	0.41
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	13	0.41
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	4	0.41
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	12	0.41
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	1	0.41
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG23	13	0.41
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	15	0.41
(1,60)	1:67:A:GLN:CA	1:69:A:LEU:N	2	0.41
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	12	0.41
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	14	0.41
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	5	0.41
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	3	0.4
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	19	0.4
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	7	0.4
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	12	0.4
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	4	0.4
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	12	0.4
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	19	0.4
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	16	0.4
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	16	0.4
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	3	0.4
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	19	0.4
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	7	0.4
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	12	0.4
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	12	0.4
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	19	0.4
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	16	0.4
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	16	0.4
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	3	0.4
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	19	0.4
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	7	0.4
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	12	0.4
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	4	0.4
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	12	0.4
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	19	0.4
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	16	0.4
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	16	0.4
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	16	0.4
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	5	0.4
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	4	0.4
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	17	0.4
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	13	0.4
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	8	0.4
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	5	0.4
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	11	0.4
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	10	0.4
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	14	0.4
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	16	0.4
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	18	0.4
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	12	0.4
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	10	0.4
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	13	0.4
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	5	0.4
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	16	0.4
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	19	0.4
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	2	0.4
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	6	0.4
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	13	0.4
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	20	0.4
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	12	0.4
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	6	0.4
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	4	0.4
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	18	0.4
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	16	0.4
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	19	0.4
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	4	0.4
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	20	0.4
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	13	0.4
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	15	0.4
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	17	0.4
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	13	0.4
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	16	0.4
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	5	0.4
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	4	0.4
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	17	0.4
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	13	0.4
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	8	0.4
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	5	0.4
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	11	0.4
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	10	0.4
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	14	0.4
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	16	0.4
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	18	0.4
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	12	0.4
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	10	0.4
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	13	0.4
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	5	0.4
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	16	0.4
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	19	0.4
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	2	0.4
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	6	0.4
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	13	0.4
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	20	0.4
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	12	0.4
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	6	0.4
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	4	0.4
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	18	0.4
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	16	0.4
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	19	0.4
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	20	0.4
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	4	0.4
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	20	0.4
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	13	0.4
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	15	0.4
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	17	0.4
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	6	0.4
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	16	0.4
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	5	0.4
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	4	0.4
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	17	0.4
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	13	0.4
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	8	0.4
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	5	0.4
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	11	0.4
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	10	0.4
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	14	0.4
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	16	0.4
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	18	0.4
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	12	0.4
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	10	0.4
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	13	0.4
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	5	0.4
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	16	0.4
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	19	0.4
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	2	0.4
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	6	0.4
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	13	0.4
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	20	0.4
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	12	0.4
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	6	0.4
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	4	0.4
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	18	0.4
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	16	0.4
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	19	0.4
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	20	0.4
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	4	0.4
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	20	0.4
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	13	0.4
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	15	0.4
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	17	0.4
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	13	0.4
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	2	0.4
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	5	0.4
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	19	0.4
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	2	0.4
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	14	0.4
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	10	0.4
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	16	0.4
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	8	0.4
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	10	0.4
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	20	0.4
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	16	0.4
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	5	0.4
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	7	0.4
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	7	0.4
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	2	0.4
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	5	0.4
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	19	0.4
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	2	0.4
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	14	0.4
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	10	0.4
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	3	0.4
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	16	0.4
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	10	0.4
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	20	0.4
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	16	0.4
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	5	0.4
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	3	0.4
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	7	0.4
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	7	0.4
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	2	0.4
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	5	0.4
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	19	0.4
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	2	0.4
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	14	0.4
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	10	0.4
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	3	0.4
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	16	0.4
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	8	0.4
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	10	0.4
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	20	0.4
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	16	0.4
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	5	0.4
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	7	0.4
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	7	0.4
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	3	0.4
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	3	0.4
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	3	0.4
(1,3144)	1:25:C:LEU:HB3	1:27:C:LYS:HA	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	7	0.4
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	15	0.4
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	20	0.4
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	12	0.4
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	10	0.4
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	9	0.4
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	7	0.4
(1,2519)	1:100:C:SER:H	1:101:C:PHE:HB3	15	0.4
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	5	0.4
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	16	0.4
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	5	0.4
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	1	0.4
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	20	0.4
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	18	0.4
(1,2087)	1:25:B:LEU:HB3	1:27:B:LYS:HA	17	0.4
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	7	0.4
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	15	0.4
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	20	0.4
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	12	0.4
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	10	0.4
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	9	0.4
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	7	0.4
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	18	0.4
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	5	0.4
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	16	0.4
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	1	0.4
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	5	0.4
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	1	0.4
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	20	0.4
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	18	0.4
(1,1030)	1:25:A:LEU:HB3	1:27:A:LYS:HA	17	0.4
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	7	0.4
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	15	0.4
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	20	0.4
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	12	0.4
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	10	0.4
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	9	0.4
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	7	0.4
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	5	0.4
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	16	0.4
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	5	0.4
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	20	0.4
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	18	0.4
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	18	0.39
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	18	0.39
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	15	0.39
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	18	0.39
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	18	0.39
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	15	0.39
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	18	0.39
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	18	0.39
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	15	0.39
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	17	0.39
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	20	0.39
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	19	0.39
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	13	0.39
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	20	0.39
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	11	0.39
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	13	0.39
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	6	0.39
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	14	0.39
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	8	0.39
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	12	0.39
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	14	0.39
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	4	0.39
(2,288)	1:69:C:LEU:H	1:89:C:TYR:O	12	0.39
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	16	0.39
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	18	0.39
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	8	0.39
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	8	0.39
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	7	0.39
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	8	0.39
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	10	0.39
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	2	0.39
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	17	0.39
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	20	0.39
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	19	0.39
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	13	0.39
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	20	0.39
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	11	0.39
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	13	0.39
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	6	0.39
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	8	0.39
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	12	0.39
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	14	0.39
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	4	0.39
(2,166)	1:69:B:LEU:H	1:89:B:TYR:O	12	0.39
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	16	0.39
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	18	0.39
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	8	0.39
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	8	0.39
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	14	0.39
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	7	0.39
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	8	0.39
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	10	0.39
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	2	0.39
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	17	0.39
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	20	0.39
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	19	0.39
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	20	0.39
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	11	0.39
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	13	0.39
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	6	0.39
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	14	0.39
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	8	0.39
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	12	0.39
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	14	0.39
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	4	0.39
(2,44)	1:69:A:LEU:H	1:89:A:TYR:O	12	0.39
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	16	0.39
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	6	0.39
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	18	0.39
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	8	0.39
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	8	0.39
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	14	0.39
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	7	0.39
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	8	0.39
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	10	0.39
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	16	0.39
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	4	0.39
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	6	0.39
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	19	0.39
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	18	0.39
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	16	0.39
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	2	0.39
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	7	0.39
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	14	0.39
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	16	0.39
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	4	0.39
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	6	0.39
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	19	0.39
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	18	0.39
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	15	0.39
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	16	0.39
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	2	0.39
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	7	0.39
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	14	0.39
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	16	0.39
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	4	0.39
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	6	0.39
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	19	0.39
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	18	0.39
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	15	0.39
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	16	0.39
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	2	0.39
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	7	0.39
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	14	0.39
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	5	0.39
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	12	0.39
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	17	0.39
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	5	0.39
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	16	0.39
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	19	0.39
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	13	0.39
(1,2690)	1:76:C:ARG:HD2	1:82:C:ALA:HA	12	0.39
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	13	0.39
(1,2607)	1:103:C:ILE:HB	1:104:C:GLU:H	14	0.39
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	13	0.39
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	1	0.39
(1,2420)	1:70:C:ALA:CB	1:71:C:ILE:CD1	4	0.39
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	9	0.39
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	5	0.39
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	7	0.39
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	10	0.39
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	11	0.39
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	4	0.39
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	1	0.39
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	7	0.39
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	3	0.39
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	4	0.39
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	9	0.39
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	5	0.39
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	12	0.39
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	17	0.39
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	5	0.39
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	16	0.39
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	19	0.39
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	13	0.39
(1,1633)	1:76:B:ARG:HD2	1:82:B:ALA:HA	12	0.39
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	13	0.39
(1,1550)	1:103:B:ILE:HB	1:104:B:GLU:H	14	0.39
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	13	0.39
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	1	0.39
(1,1363)	1:70:B:ALA:CB	1:71:B:ILE:CD1	4	0.39
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	9	0.39
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	5	0.39
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	7	0.39
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	10	0.39
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	3	0.39
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	11	0.39
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	4	0.39
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	1	0.39
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	7	0.39
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	3	0.39
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	4	0.39
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	9	0.39
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	5	0.39
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	12	0.39
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	17	0.39
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	5	0.39
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	16	0.39
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	19	0.39
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	13	0.39
(1,576)	1:76:A:ARG:HD2	1:82:A:ALA:HA	12	0.39
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	13	0.39
(1,493)	1:103:A:ILE:HB	1:104:A:GLU:H	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	13	0.39
(1,306)	1:70:A:ALA:CB	1:71:A:ILE:CD1	4	0.39
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	9	0.39
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	5	0.39
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	7	0.39
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	10	0.39
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	3	0.39
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	11	0.39
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	4	0.39
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	1	0.39
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	7	0.39
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	3	0.39
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	4	0.39
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	9	0.39
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	15	0.38
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	6	0.38
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	10	0.38
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	13	0.38
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	1	0.38
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	2	0.38
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	8	0.38
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	20	0.38
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	15	0.38
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	6	0.38
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	10	0.38
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	13	0.38
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	1	0.38
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	2	0.38
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	8	0.38
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	20	0.38
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	15	0.38
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	6	0.38
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	10	0.38
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	13	0.38
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	1	0.38
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	2	0.38
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	8	0.38
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	20	0.38
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	17	0.38
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	2	0.38
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	15	0.38
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	5	0.38
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	11	0.38
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	3	0.38
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	15	0.38
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	15	0.38
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	4	0.38
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	12	0.38
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	11	0.38
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	8	0.38
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	10	0.38
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	3	0.38
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	11	0.38
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	2	0.38
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	6	0.38
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	7	0.38
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	4	0.38
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	11	0.38
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	14	0.38
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	19	0.38
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	12	0.38
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	5	0.38
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	17	0.38
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	10	0.38
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	17	0.38
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	15	0.38
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	1	0.38
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	5	0.38
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	11	0.38
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	3	0.38
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	15	0.38
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	15	0.38
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	4	0.38
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	12	0.38
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	11	0.38
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	8	0.38
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	3	0.38
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	11	0.38
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	2	0.38
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	6	0.38
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	7	0.38
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	4	0.38
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	19	0.38
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	12	0.38
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	5	0.38
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	17	0.38
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	10	0.38
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	17	0.38
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	15	0.38
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	1	0.38
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	5	0.38
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	11	0.38
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	13	0.38
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	3	0.38
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	15	0.38
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	15	0.38
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	4	0.38
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	12	0.38
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	11	0.38
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	8	0.38
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	10	0.38
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	3	0.38
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	16	0.38
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	11	0.38
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	2	0.38
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	7	0.38
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	4	0.38
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	11	0.38
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	19	0.38
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	5	0.38
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	12	0.38
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	5	0.38
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	17	0.38
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	10	0.38
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	3	0.38
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	4	0.38
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	16	0.38
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	6	0.38
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	13	0.38
(1,3844)	1:24:C:ARG:HD3	1:25:B:LEU:HG	18	0.38
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	6	0.38
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	16	0.38
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	12	0.38
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	3	0.38
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	6	0.38
(1,3813)	1:33:C:ASP:HB3	1:37:C:ALA:HA	10	0.38
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	3	0.38
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	4	0.38
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	16	0.38
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	6	0.38
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	13	0.38
(1,3651)	1:24:B:ARG:HD3	1:25:A:LEU:HG	18	0.38
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	6	0.38
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	16	0.38
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	12	0.38
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	8	0.38
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	3	0.38
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	6	0.38
(1,3620)	1:33:B:ASP:HB3	1:37:B:ALA:HA	10	0.38
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	3	0.38
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	4	0.38
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	16	0.38
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	6	0.38
(1,3459)	1:24:A:ARG:HD3	1:25:C:LEU:HG	18	0.38
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	6	0.38
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	16	0.38
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	12	0.38
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	8	0.38
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	3	0.38
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	6	0.38
(1,3428)	1:33:A:ASP:HB3	1:37:A:ALA:HA	10	0.38
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	9	0.38
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	9	0.38
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	9	0.38
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	1	0.38
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	16	0.38
(1,3016)	1:30:C:THR:CB	1:31:C:ARG:CZ	15	0.38
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	8	0.38
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	14	0.38
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	3	0.38
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	7	0.38
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	13	0.38
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	10	0.38
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	9	0.38
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	1	0.38
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	11	0.38
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	1	0.38
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	16	0.38
(1,1959)	1:30:B:THR:CB	1:31:B:ARG:CZ	15	0.38
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	8	0.38
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	14	0.38
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	3	0.38
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	7	0.38
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	13	0.38
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	10	0.38
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	9	0.38
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	13	0.38
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	1	0.38
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	11	0.38
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	1	0.38
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	16	0.38
(1,902)	1:30:A:THR:CB	1:31:A:ARG:CZ	15	0.38
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	1	0.38
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	8	0.38
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	14	0.38
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	3	0.38
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	7	0.38
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	13	0.38
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	10	0.38
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	9	0.38
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	13	0.38
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	1	0.38
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	11	0.38
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	3	0.37
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	2	0.37
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	3	0.37
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	15	0.37
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	3	0.37
(2,410)	1:58:C:ALA:H	1:101:A:PHE:O	19	0.37
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	9	0.37
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	3	0.37
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	2	0.37
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	3	0.37
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	15	0.37
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	3	0.37
(2,390)	1:58:B:ALA:H	1:101:C:PHE:O	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	9	0.37
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	3	0.37
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	2	0.37
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	3	0.37
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	15	0.37
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	3	0.37
(2,370)	1:58:A:ALA:H	1:101:B:PHE:O	19	0.37
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	9	0.37
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	9	0.37
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	17	0.37
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	9	0.37
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	11	0.37
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	18	0.37
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	19	0.37
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	11	0.37
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	20	0.37
(2,328)	1:45:C:LEU:H	1:42:C:LEU:O	3	0.37
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	5	0.37
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	8	0.37
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	5	0.37
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	16	0.37
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	2	0.37
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	8	0.37
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	2	0.37
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	7	0.37
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	19	0.37
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	7	0.37
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	6	0.37
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	12	0.37
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	16	0.37
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	8	0.37
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	16	0.37
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	15	0.37
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	16	0.37
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	9	0.37
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	12	0.37
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	1	0.37
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	6	0.37
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	20	0.37
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	1	0.37
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	5	0.37
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	11	0.37
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	4	0.37
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	9	0.37
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	5	0.37
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	17	0.37
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	9	0.37
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	11	0.37
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	18	0.37
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	19	0.37
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	11	0.37
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	20	0.37
(2,206)	1:45:B:LEU:H	1:42:B:LEU:O	3	0.37
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	5	0.37
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	8	0.37
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	5	0.37
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	16	0.37
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	2	0.37
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	8	0.37
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	2	0.37
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	7	0.37
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	19	0.37
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	7	0.37
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	6	0.37
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	12	0.37
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	16	0.37
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	10	0.37
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	8	0.37
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	16	0.37
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	15	0.37
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	16	0.37
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	1	0.37
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	6	0.37
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	20	0.37
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	1	0.37
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	5	0.37
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	9	0.37
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	11	0.37
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	4	0.37
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	7	0.37
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	9	0.37
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	5	0.37
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	9	0.37
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	11	0.37
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	18	0.37
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	19	0.37
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	11	0.37
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	20	0.37
(2,84)	1:45:A:LEU:H	1:42:A:LEU:O	3	0.37
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	5	0.37
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	8	0.37
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	5	0.37
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	16	0.37
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	2	0.37
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	8	0.37
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	2	0.37
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	7	0.37
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	7	0.37
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	6	0.37
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	12	0.37
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	16	0.37
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	8	0.37
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	16	0.37
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	15	0.37
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	12	0.37
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	1	0.37
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	6	0.37
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	20	0.37
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	1	0.37
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	9	0.37
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	11	0.37
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	4	0.37
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	7	0.37
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	15	0.37
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	14	0.37
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	17	0.37
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	7	0.37
(1,3869)	1:96:C:MET:CE	1:97:C:TYR:CA	1	0.37
(1,3867)	1:83:C:LEU:CD1	1:84:C:LYS:CG	11	0.37
(1,3858)	1:31:C:ARG:CD	1:35:C:GLY:CA	5	0.37
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	1	0.37
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	12	0.37
(1,3819)	1:51:C:VAL:CG1	1:79:C:GLU:CD	18	0.37
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	7	0.37
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	15	0.37
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	14	0.37
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	17	0.37
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	7	0.37
(1,3676)	1:96:B:MET:CE	1:97:B:TYR:CA	1	0.37
(1,3674)	1:83:B:LEU:CD1	1:84:B:LYS:CG	11	0.37
(1,3665)	1:31:B:ARG:CD	1:35:B:GLY:CA	5	0.37
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	1	0.37
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	12	0.37
(1,3626)	1:51:B:VAL:CG1	1:79:B:GLU:CD	18	0.37
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	15	0.37
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	7	0.37
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	15	0.37
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	14	0.37
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	17	0.37
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	7	0.37
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	13	0.37
(1,3484)	1:96:A:MET:CE	1:97:A:TYR:CA	1	0.37
(1,3482)	1:83:A:LEU:CD1	1:84:A:LYS:CG	11	0.37
(1,3473)	1:31:A:ARG:CD	1:35:A:GLY:CA	5	0.37
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	1	0.37
(1,3434)	1:51:A:VAL:CG1	1:79:A:GLU:CD	18	0.37
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	15	0.37
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	4	0.37
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	18	0.37
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	4	0.37
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	4	0.37
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	18	0.37
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	8	0.37
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	20	0.37
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	13	0.37
(1,2933)	1:31:C:ARG:CB	1:94:C:ASP:CB	19	0.37
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	11	0.37
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	19	0.37
(1,2625)	1:89:C:TYR:CD2	1:90:C:ALA:CB	4	0.37
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	18	0.37
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	14	0.37
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	8	0.37
(1,2250)	1:28:C:LEU:CG	1:30:C:THR:CB	9	0.37
(1,2234)	1:41:C:ALA:HB3	1:68:C:ALA:H	20	0.37
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	20	0.37
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	10	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	1	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	2	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	3	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	4	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	6	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	7	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	10	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	14	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	16	0.37
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	19	0.37
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	19	0.37
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	4	0.37
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	20	0.37
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	10	0.37
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	8	0.37
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	20	0.37
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	13	0.37
(1,1876)	1:31:B:ARG:CB	1:94:B:ASP:CB	19	0.37
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	19	0.37
(1,1568)	1:89:B:TYR:CD2	1:90:B:ALA:CB	4	0.37
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	18	0.37
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	14	0.37
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	8	0.37
(1,1193)	1:28:B:LEU:CG	1:30:B:THR:CB	9	0.37
(1,1177)	1:41:B:ALA:HB3	1:68:B:ALA:H	20	0.37
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	18	0.37
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	20	0.37
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	10	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	1	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	2	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	3	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	4	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	6	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	7	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	10	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	14	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	15	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	16	0.37
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	19	0.37
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	4	0.37
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	20	0.37
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	10	0.37
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	8	0.37
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	20	0.37
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	13	0.37
(1,819)	1:31:A:ARG:CB	1:94:A:ASP:CB	19	0.37
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	11	0.37
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	19	0.37
(1,511)	1:89:A:TYR:CD2	1:90:A:ALA:CB	4	0.37
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	18	0.37
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	14	0.37
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	8	0.37
(1,136)	1:28:A:LEU:CG	1:30:A:THR:CB	9	0.37
(1,120)	1:41:A:ALA:HB3	1:68:A:ALA:H	20	0.37
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	18	0.37
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	20	0.37
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	10	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	1	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	2	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	3	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	4	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	6	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	7	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	10	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	14	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	15	0.37
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	16	0.37
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	19	0.37
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	4	0.37
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	20	0.37
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	10	0.37
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	3	0.37
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	20	0.36
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	15	0.36
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	10	0.36
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	12	0.36
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	16	0.36
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	15	0.36
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	10	0.36
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	12	0.36
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	15	0.36
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	10	0.36
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	12	0.36
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	16	0.36
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	7	0.36
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	20	0.36
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	6	0.36
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	8	0.36
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	5	0.36
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	13	0.36
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	18	0.36
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	11	0.36
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	2	0.36
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	8	0.36
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	9	0.36
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	10	0.36
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	19	0.36
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	15	0.36
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	3	0.36
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	14	0.36
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	17	0.36
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	6	0.36
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	9	0.36
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	1	0.36
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	15	0.36
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	17	0.36
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	13	0.36
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	13	0.36
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	7	0.36
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	13	0.36
(2,282)	1:42:C:LEU:H	1:39:C:SER:O	5	0.36
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	6	0.36
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	8	0.36
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	6	0.36
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	18	0.36
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	4	0.36
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	20	0.36
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	4	0.36
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	12	0.36
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	12	0.36
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	5	0.36
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	1	0.36
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	8	0.36
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	7	0.36
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	20	0.36
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	6	0.36
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	8	0.36
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	13	0.36
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	18	0.36
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	11	0.36
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	2	0.36
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	8	0.36
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	9	0.36
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	10	0.36
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	19	0.36
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	15	0.36
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	3	0.36
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	14	0.36
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	17	0.36
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	6	0.36
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	9	0.36
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	1	0.36
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	15	0.36
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	17	0.36
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	13	0.36
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	13	0.36
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	7	0.36
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	13	0.36
(2,160)	1:42:B:LEU:H	1:39:B:SER:O	5	0.36
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	9	0.36
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	12	0.36
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	6	0.36
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	8	0.36
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	6	0.36
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	18	0.36
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	20	0.36
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	4	0.36
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	12	0.36
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	12	0.36
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	5	0.36
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	8	0.36
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	1	0.36
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	20	0.36
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	6	0.36
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	8	0.36
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	13	0.36
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	18	0.36
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	11	0.36
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	2	0.36
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	8	0.36
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	9	0.36
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	10	0.36
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	19	0.36
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	15	0.36
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	3	0.36
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	14	0.36
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	17	0.36
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	6	0.36
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	9	0.36
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	19	0.36
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	1	0.36
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	15	0.36
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	17	0.36
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	13	0.36
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	13	0.36
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	7	0.36
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	13	0.36
(2,38)	1:42:A:LEU:H	1:39:A:SER:O	5	0.36
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	9	0.36
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	6	0.36
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	8	0.36
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	6	0.36
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	18	0.36
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	20	0.36
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	4	0.36
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	12	0.36
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	12	0.36
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	5	0.36
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	8	0.36
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	1	0.36
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	8	0.36
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	20	0.36
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	10	0.36
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	12	0.36
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	20	0.36
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	19	0.36
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	18	0.36
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	3	0.36
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	5	0.36
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	2	0.36
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	20	0.36
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	10	0.36
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	10	0.36
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	12	0.36
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	20	0.36
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	19	0.36
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	18	0.36
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	3	0.36
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	5	0.36
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	20	0.36
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	10	0.36
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	10	0.36
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	12	0.36
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	20	0.36
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	19	0.36
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	12	0.36
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	18	0.36
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	3	0.36
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	5	0.36
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	3	0.36
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	3	0.36
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	18	0.36
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	3	0.36
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	4	0.36
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	6	0.36
(1,2933)	1:31:C:ARG:CB	1:94:C:ASP:CB	17	0.36
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	12	0.36
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	5	0.36
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	4	0.36
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	12	0.36
(1,2417)	1:89:C:TYR:CD2	1:95:C:VAL:CG1	10	0.36
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	4	0.36
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	20	0.36
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	7	0.36
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	13	0.36
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	1	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	5	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	9	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	12	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	13	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	15	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	17	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	18	0.36
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	20	0.36
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	2	0.36
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	15	0.36
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	16	0.36
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	7	0.36
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	1	0.36
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	3	0.36
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	4	0.36
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	6	0.36
(1,1876)	1:31:B:ARG:CB	1:94:B:ASP:CB	17	0.36
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	12	0.36
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	11	0.36
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	5	0.36
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	4	0.36
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	12	0.36
(1,1360)	1:89:B:TYR:CD2	1:95:B:VAL:CG1	10	0.36
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	4	0.36
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	20	0.36
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	7	0.36
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	8	0.36
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	13	0.36
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	1	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	5	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	9	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	12	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	13	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	17	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	18	0.36
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	20	0.36
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	2	0.36
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	15	0.36
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	16	0.36
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	20	0.36
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	1	0.36
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	3	0.36
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	4	0.36
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	6	0.36
(1,819)	1:31:A:ARG:CB	1:94:A:ASP:CB	17	0.36
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	12	0.36
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	5	0.36
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	4	0.36
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	12	0.36
(1,303)	1:89:A:TYR:CD2	1:95:A:VAL:CG1	10	0.36
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	4	0.36
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	20	0.36
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	7	0.36
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	8	0.36
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	13	0.36
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	1	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	5	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	9	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	12	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	13	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	17	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	18	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	19	0.36
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	20	0.36
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	2	0.36
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	15	0.36
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	16	0.36
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	7	0.36
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	1	0.36
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	8	0.35
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	4	0.35
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	3	0.35
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	19	0.35
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	8	0.35
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	20	0.35
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	4	0.35
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	3	0.35
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	19	0.35
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	8	0.35
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	20	0.35
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	3	0.35
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	19	0.35
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	3	0.35
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	13	0.35
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	4	0.35
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	2	0.35
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	18	0.35
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	4	0.35
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	9	0.35
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	1	0.35
(2,338)	1:85:C:ALA:H	1:73:C:SER:O	12	0.35
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	13	0.35
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	13	0.35
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	12	0.35
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	19	0.35
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	12	0.35
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	10	0.35
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	18	0.35
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	11	0.35
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	4	0.35
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	7	0.35
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	9	0.35
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	14	0.35
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	7	0.35
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	17	0.35
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	1	0.35
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	7	0.35
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	4	0.35
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	3	0.35
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	13	0.35
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	4	0.35
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	2	0.35
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	18	0.35
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	4	0.35
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	9	0.35
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	1	0.35
(2,216)	1:85:B:ALA:H	1:73:B:SER:O	12	0.35
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	13	0.35
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	13	0.35
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	12	0.35
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	19	0.35
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	10	0.35
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	18	0.35
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	11	0.35
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	4	0.35
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	7	0.35
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	9	0.35
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	14	0.35
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	7	0.35
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	17	0.35
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	1	0.35
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	4	0.35
(2,138)	1:94:B:ASP:H	1:90:B:ALA:O	5	0.35
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	7	0.35
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	4	0.35
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	3	0.35
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	13	0.35
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	4	0.35
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	2	0.35
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	18	0.35
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	4	0.35
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	9	0.35
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	1	0.35
(2,94)	1:85:A:ALA:H	1:73:A:SER:O	12	0.35
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	13	0.35
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	13	0.35
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	12	0.35
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	19	0.35
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	12	0.35
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	10	0.35
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	18	0.35
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	11	0.35
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	4	0.35
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	7	0.35
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	9	0.35
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	14	0.35
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	7	0.35
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	17	0.35
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	1	0.35
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	4	0.35
(2,16)	1:94:A:ASP:H	1:90:A:ALA:O	5	0.35
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	7	0.35
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	1	0.35
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	2	0.35
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	6	0.35
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	18	0.35
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	18	0.35
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	18	0.35
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	1	0.35
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	6	0.35
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	18	0.35
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	18	0.35
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	18	0.35
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	1	0.35
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	2	0.35
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	6	0.35
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	18	0.35
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	18	0.35
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	18	0.35
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	19	0.35
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	3	0.35
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	3	0.35
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	4	0.35
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	3	0.35
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	10	0.35
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	20	0.35
(1,2898)	1:27:C:LYS:CD	1:30:C:THR:CB	20	0.35
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	1	0.35
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	17	0.35
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	18	0.35
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	11	0.35
(1,2491)	1:88:C:ALA:CA	1:97:C:TYR:CA	9	0.35
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	3	0.35
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	10	0.35
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	20	0.35
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	8	0.35
(1,2205)	1:29:C:ASP:CA	1:30:C:THR:CB	11	0.35
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	20	0.35
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	6	0.35
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	6	0.35
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB2	12	0.35
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	10	0.35
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	20	0.35
(1,1841)	1:27:B:LYS:CD	1:30:B:THR:CB	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	1	0.35
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	17	0.35
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	11	0.35
(1,1434)	1:88:B:ALA:CA	1:97:B:TYR:CA	9	0.35
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	3	0.35
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	10	0.35
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	20	0.35
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	8	0.35
(1,1148)	1:29:B:ASP:CA	1:30:B:THR:CB	11	0.35
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	13	0.35
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	6	0.35
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	6	0.35
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB2	12	0.35
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	10	0.35
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	20	0.35
(1,784)	1:27:A:LYS:CD	1:30:A:THR:CB	20	0.35
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	1	0.35
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	17	0.35
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	18	0.35
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	11	0.35
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	7	0.35
(1,377)	1:88:A:ALA:CA	1:97:A:TYR:CA	9	0.35
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	3	0.35
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	10	0.35
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	20	0.35
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	8	0.35
(1,91)	1:29:A:ASP:CA	1:30:A:THR:CB	11	0.35
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	13	0.35
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	20	0.35
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	6	0.35
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	6	0.35
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB2	12	0.35
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	12	0.34
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	18	0.34
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	4	0.34
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	7	0.34
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	2	0.34
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	13	0.34
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	12	0.34
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	18	0.34
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	4	0.34
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	2	0.34
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	13	0.34
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	12	0.34
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	18	0.34
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	4	0.34
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	7	0.34
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	2	0.34
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	13	0.34
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	7	0.34
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	5	0.34
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	18	0.34
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	19	0.34
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	10	0.34
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	7	0.34
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	19	0.34
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	1	0.34
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	16	0.34
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	15	0.34
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	13	0.34
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	1	0.34
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	14	0.34
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	10	0.34
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	13	0.34
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	8	0.34
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	15	0.34
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	5	0.34
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	9	0.34
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	19	0.34
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	6	0.34
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	8	0.34
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	11	0.34
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	15	0.34
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	4	0.34
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	2	0.34
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	12	0.34
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	15	0.34
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	7	0.34
(2,260)	1:94:C:ASP:H	1:90:C:ALA:O	5	0.34
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	15	0.34
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	7	0.34
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	7	0.34
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	18	0.34
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	19	0.34
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	10	0.34
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	7	0.34
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	19	0.34
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	1	0.34
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	16	0.34
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	15	0.34
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	13	0.34
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	1	0.34
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	14	0.34
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	10	0.34
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	13	0.34
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	8	0.34
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	12	0.34
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	15	0.34
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	5	0.34
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	9	0.34
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	19	0.34
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	6	0.34
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	8	0.34
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	11	0.34
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	15	0.34
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	4	0.34
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	2	0.34
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	12	0.34
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	15	0.34
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	7	0.34
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	15	0.34
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	7	0.34
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	7	0.34
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	5	0.34
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	18	0.34
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	19	0.34
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	10	0.34
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	7	0.34
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	19	0.34
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	1	0.34
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	16	0.34
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	15	0.34
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	13	0.34
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	14	0.34
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	10	0.34
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	13	0.34
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	8	0.34
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	12	0.34
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	15	0.34
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	5	0.34
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	9	0.34
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	19	0.34
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	6	0.34
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	8	0.34
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	11	0.34
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	15	0.34
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	4	0.34
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	2	0.34
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	12	0.34
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	15	0.34
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	7	0.34
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	15	0.34
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	7	0.34
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	1	0.34
(1,3979)	1:40:C:ALA:CA	1:42:C:LEU:CD1	5	0.34
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	14	0.34
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	4	0.34
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	13	0.34
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	17	0.34
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	8	0.34
(1,3814)	1:39:C:SER:HB2	1:41:C:ALA:H	4	0.34
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	1	0.34
(1,3786)	1:40:B:ALA:CA	1:42:B:LEU:CD1	5	0.34
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	14	0.34
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	4	0.34
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	13	0.34
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	17	0.34
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	8	0.34
(1,3621)	1:39:B:SER:HB2	1:41:B:ALA:H	4	0.34
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	1	0.34
(1,3593)	1:40:A:ALA:CA	1:42:A:LEU:CD1	5	0.34
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	14	0.34
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	4	0.34
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	13	0.34
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	8	0.34
(1,3429)	1:39:A:SER:HB2	1:41:A:ALA:H	4	0.34
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	4	0.34
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	1	0.34
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	19	0.34
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	1	0.34
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	19	0.34
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	4	0.34
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	3	0.34
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	2	0.34
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	14	0.34
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	7	0.34
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	20	0.34
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	9	0.34
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	2	0.34
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	6	0.34
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	4	0.34
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	8	0.34
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	13	0.34
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	5	0.34
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	2	0.34
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	2	0.34
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	14	0.34
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	18	0.34
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	7	0.34
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	20	0.34
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	9	0.34
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	2	0.34
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	6	0.34
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	4	0.34
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	8	0.34
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	5	0.34
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	2	0.34
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	3	0.34
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	2	0.34
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	14	0.34
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	20	0.34
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	9	0.34
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	2	0.34
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	6	0.34
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	4	0.34
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	5	0.34
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	2	0.34
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	6	0.33
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	11	0.33
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	18	0.33
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	6	0.33
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	11	0.33
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	18	0.33
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	6	0.33
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	11	0.33
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	18	0.33
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	6	0.33
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	12	0.33
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	15	0.33
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	11	0.33
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	5	0.33
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	1	0.33
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	15	0.33
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	8	0.33
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	12	0.33
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	8	0.33
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	10	0.33
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	4	0.33
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	4	0.33
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	13	0.33
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	11	0.33
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	20	0.33
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	13	0.33
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	5	0.33
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	16	0.33
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	4	0.33
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	3	0.33
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	7	0.33
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	14	0.33
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	11	0.33
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	12	0.33
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	17	0.33
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	8	0.33
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	6	0.33
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	10	0.33
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	7	0.33
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	4	0.33
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	15	0.33
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	18	0.33
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	7	0.33
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	6	0.33
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	12	0.33
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	15	0.33
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	11	0.33
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	5	0.33
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	1	0.33
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	15	0.33
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	8	0.33
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	12	0.33
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	8	0.33
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	10	0.33
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	4	0.33
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	4	0.33
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	13	0.33
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	11	0.33
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	20	0.33
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	13	0.33
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	5	0.33
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	12	0.33
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	16	0.33
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	4	0.33
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	3	0.33
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	7	0.33
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	14	0.33
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	11	0.33
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	17	0.33
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	8	0.33
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	6	0.33
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	10	0.33
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	7	0.33
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	3	0.33
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	4	0.33
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	15	0.33
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	18	0.33
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	7	0.33
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	6	0.33
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	12	0.33
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	5	0.33
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	1	0.33
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	15	0.33
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	8	0.33
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	12	0.33
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	8	0.33
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	10	0.33
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	4	0.33
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	4	0.33
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	13	0.33
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	11	0.33
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	20	0.33
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	13	0.33
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	5	0.33
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	12	0.33
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	16	0.33
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	4	0.33
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	3	0.33
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	7	0.33
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	14	0.33
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	11	0.33
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	17	0.33
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	8	0.33
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	6	0.33
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	10	0.33
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	7	0.33
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	3	0.33
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	4	0.33
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	15	0.33
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	18	0.33
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	7	0.33
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	15	0.33
(1,3964)	1:48:C:PRO:CD	1:50:A:GLY:C	19	0.33
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	4	0.33
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	19	0.33
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	11	0.33
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	17	0.33
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	15	0.33
(1,3771)	1:48:B:PRO:CD	1:50:C:GLY:C	19	0.33
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	4	0.33
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	19	0.33
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	17	0.33
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	15	0.33
(1,3578)	1:48:A:PRO:CD	1:50:B:GLY:C	19	0.33
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	4	0.33
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	19	0.33
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	11	0.33
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	17	0.33
(1,3411)	1:48:C:PRO:CA	1:104:A:GLU:CA	19	0.33
(1,3330)	1:48:B:PRO:CA	1:104:C:GLU:CA	19	0.33
(1,3249)	1:48:A:PRO:CA	1:104:B:GLU:CA	19	0.33
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	1	0.33
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	18	0.33
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	2	0.33
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	14	0.33
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	19	0.33
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	12	0.33
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	18	0.33
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	6	0.33
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	20	0.33
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	18	0.33
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	1	0.33
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	8	0.33
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	17	0.33
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	1	0.33
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	8	0.33
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	6	0.33
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	20	0.33
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	2	0.33
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	3	0.33
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	18	0.33
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	2	0.33
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	14	0.33
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	19	0.33
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	12	0.33
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	6	0.33
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	20	0.33
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	18	0.33
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	1	0.33
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	8	0.33
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	17	0.33
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	1	0.33
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	6	0.33
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	20	0.33
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	2	0.33
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	18	0.33
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	2	0.33
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	14	0.33
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	19	0.33
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	12	0.33
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	6	0.33
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	20	0.33
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	18	0.33
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	1	0.33
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	8	0.33
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	17	0.33
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	1	0.33
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	8	0.33
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	6	0.33
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	20	0.33
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	10	0.32
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	6	0.32
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	12	0.32
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	11	0.32
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	5	0.32
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	7	0.32
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	9	0.32
(2,409)	1:58:C:ALA:N	1:101:A:PHE:O	19	0.32
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	10	0.32
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	6	0.32
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	12	0.32
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	11	0.32
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	5	0.32
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	7	0.32
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	9	0.32
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	10	0.32
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	6	0.32
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	12	0.32
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	11	0.32
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	5	0.32
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	7	0.32
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	9	0.32
(2,369)	1:58:A:ALA:N	1:101:B:PHE:O	19	0.32
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	3	0.32
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	6	0.32
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	3	0.32
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	6	0.32
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	19	0.32
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	7	0.32
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	8	0.32
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	11	0.32
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	5	0.32
(2,327)	1:45:C:LEU:N	1:42:C:LEU:O	3	0.32
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	8	0.32
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	14	0.32
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	8	0.32
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	11	0.32
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	14	0.32
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	2	0.32
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	12	0.32
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	2	0.32
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	12	0.32
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	9	0.32
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	10	0.32
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	8	0.32
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	14	0.32
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	19	0.32
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	17	0.32
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	9	0.32
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	1	0.32
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	5	0.32
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	12	0.32
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	10	0.32
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	7	0.32
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	7	0.32
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	11	0.32
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	19	0.32
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	17	0.32
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	11	0.32
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	20	0.32
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	17	0.32
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	20	0.32
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	10	0.32
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	5	0.32
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	3	0.32
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	6	0.32
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	3	0.32
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	6	0.32
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	19	0.32
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	7	0.32
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	8	0.32
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	11	0.32
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	5	0.32
(2,205)	1:45:B:LEU:N	1:42:B:LEU:O	3	0.32
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	8	0.32
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	14	0.32
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	8	0.32
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	3	0.32
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	11	0.32
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	14	0.32
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	2	0.32
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	2	0.32
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	12	0.32
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	9	0.32
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	10	0.32
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	14	0.32
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	19	0.32
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	17	0.32
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	9	0.32
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	1	0.32
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	5	0.32
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	12	0.32
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	10	0.32
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	7	0.32
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	7	0.32
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	11	0.32
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	19	0.32
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	17	0.32
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	11	0.32
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	20	0.32
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	20	0.32
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	17	0.32
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	20	0.32
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	10	0.32
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	5	0.32
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	3	0.32
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	15	0.32
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	6	0.32
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	3	0.32
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	19	0.32
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	7	0.32
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	8	0.32
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	11	0.32
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	5	0.32
(2,83)	1:45:A:LEU:N	1:42:A:LEU:O	3	0.32
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	8	0.32
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	14	0.32
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	8	0.32
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	11	0.32
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	14	0.32
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	2	0.32
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	12	0.32
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	9	0.32
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	10	0.32
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	8	0.32
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	14	0.32
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	19	0.32
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	17	0.32
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	9	0.32
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	1	0.32
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	5	0.32
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	12	0.32
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	10	0.32
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	7	0.32
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	7	0.32
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	11	0.32
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	19	0.32
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	17	0.32
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	11	0.32
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	20	0.32
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	17	0.32
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	20	0.32
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	10	0.32
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	5	0.32
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	8	0.32
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	17	0.32
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	18	0.32
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	5	0.32
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	19	0.32
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	2	0.32
(1,3809)	1:45:C:LEU:CB	1:102:A:ASN:CG	16	0.32
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	19	0.32
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	18	0.32
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	8	0.32
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	17	0.32
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	17	0.32
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	18	0.32
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	5	0.32
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	19	0.32
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	6	0.32
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	2	0.32
(1,3616)	1:45:B:LEU:CB	1:102:C:ASN:CG	16	0.32
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	19	0.32
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	18	0.32
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	8	0.32
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	17	0.32
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	17	0.32
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	18	0.32
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	5	0.32
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	19	0.32
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	6	0.32
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	2	0.32
(1,3424)	1:45:A:LEU:CB	1:102:B:ASN:CG	16	0.32
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	19	0.32
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	18	0.32
(1,3410)	1:48:C:PRO:CA	1:103:A:ILE:C	15	0.32
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	3	0.32
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	6	0.32
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	17	0.32
(1,3329)	1:48:B:PRO:CA	1:103:C:ILE:C	15	0.32
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	3	0.32
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	6	0.32
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	17	0.32
(1,3248)	1:48:A:PRO:CA	1:103:B:ILE:C	15	0.32
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	3	0.32
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	6	0.32
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	17	0.32
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	2	0.32
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	12	0.32
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	6	0.32
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	7	0.32
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	13	0.32
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	7	0.32
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	19	0.32
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	12	0.32
(1,2707)	1:96:C:MET:HE1	1:97:C:TYR:H	12	0.32
(1,2401)	1:59:C:GLY:C	1:71:C:ILE:CD1	12	0.32
(1,2398)	1:89:C:TYR:CE2	1:95:C:VAL:CG1	5	0.32
(1,2269)	1:96:C:MET:N	1:97:C:TYR:C	9	0.32
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	15	0.32
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	13	0.32
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	16	0.32
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	10	0.32
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	7	0.32
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	1	0.32
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	12	0.32
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	6	0.32
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	7	0.32
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	13	0.32
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	15	0.32
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	7	0.32
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	18	0.32
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	19	0.32
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	12	0.32
(1,1650)	1:96:B:MET:HE1	1:97:B:TYR:H	12	0.32
(1,1344)	1:59:B:GLY:C	1:71:B:ILE:CD1	12	0.32
(1,1341)	1:89:B:TYR:CE2	1:95:B:VAL:CG1	5	0.32
(1,1212)	1:96:B:MET:N	1:97:B:TYR:C	9	0.32
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	15	0.32
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	13	0.32
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	16	0.32
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	10	0.32
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	7	0.32
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	12	0.32
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	6	0.32
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	7	0.32
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	13	0.32
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	7	0.32
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	19	0.32
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	12	0.32
(1,593)	1:96:A:MET:HE1	1:97:A:TYR:H	12	0.32
(1,287)	1:59:A:GLY:C	1:71:A:ILE:CD1	12	0.32
(1,284)	1:89:A:TYR:CE2	1:95:A:VAL:CG1	5	0.32
(1,155)	1:96:A:MET:N	1:97:A:TYR:C	9	0.32
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	15	0.32
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	13	0.32
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	16	0.32
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	10	0.32
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	7	0.32
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	6	0.31
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	12	0.31
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	6	0.31
(2,389)	1:58:B:ALA:N	1:101:C:PHE:O	19	0.31
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	12	0.31
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	6	0.31
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	12	0.31
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	15	0.31
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	20	0.31
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	3	0.31
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	16	0.31
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	15	0.31
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	8	0.31
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	15	0.31
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	16	0.31
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	10	0.31
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	18	0.31
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	13	0.31
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	13	0.31
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	12	0.31
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	11	0.31
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	3	0.31
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	6	0.31
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	8	0.31
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	8	0.31
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	20	0.31
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	7	0.31
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	18	0.31
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	3	0.31
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	9	0.31
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	6	0.31
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	16	0.31
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	17	0.31
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	2	0.31
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	1	0.31
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	5	0.31
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	14	0.31
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	4	0.31
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	16	0.31
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	1	0.31
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	20	0.31
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	12	0.31
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	15	0.31
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	20	0.31
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	3	0.31
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	16	0.31
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	15	0.31
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	8	0.31
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	15	0.31
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	16	0.31
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	10	0.31
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	18	0.31
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	13	0.31
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	12	0.31
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	11	0.31
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	18	0.31
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	6	0.31
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	8	0.31
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	8	0.31
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	20	0.31
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	8	0.31
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	7	0.31
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	18	0.31
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	3	0.31
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	9	0.31
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	15	0.31
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	6	0.31
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	16	0.31
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	17	0.31
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	2	0.31
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	1	0.31
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	14	0.31
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	4	0.31
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	16	0.31
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	1	0.31
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	12	0.31
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	15	0.31
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	20	0.31
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	3	0.31
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	16	0.31
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	15	0.31
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	6	0.31
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	8	0.31
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	15	0.31
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	16	0.31
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	10	0.31
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	18	0.31
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	13	0.31
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	13	0.31
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	12	0.31
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	11	0.31
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	3	0.31
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	2	0.31
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	8	0.31
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	8	0.31
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	20	0.31
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	7	0.31
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	18	0.31
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	3	0.31
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	9	0.31
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	15	0.31
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	6	0.31
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	16	0.31
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	17	0.31
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	2	0.31
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	1	0.31
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	5	0.31
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	14	0.31
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	4	0.31
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	16	0.31
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	1	0.31
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	20	0.31
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	3	0.31
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	13	0.31
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	5	0.31
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	6	0.31
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	2	0.31
(1,3826)	1:42:C:LEU:HA	1:98:A:ASN:HB3	16	0.31
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	8	0.31
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	17	0.31
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	3	0.31
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	13	0.31
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	5	0.31
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	2	0.31
(1,3633)	1:42:B:LEU:HA	1:98:C:ASN:HB3	16	0.31
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	8	0.31
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	17	0.31
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	3	0.31
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	5	0.31
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	2	0.31
(1,3441)	1:42:A:LEU:HA	1:98:B:ASN:HB3	16	0.31
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	8	0.31
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	17	0.31
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	6	0.31
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	15	0.31
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	17	0.31
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	20	0.31
(1,3141)	1:28:C:LEU:HB3	1:30:C:THR:HA	12	0.31
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	15	0.31
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	10	0.31
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	15	0.31
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	16	0.31
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	17	0.31
(1,2587)	1:91:C:GLY:CA	1:95:C:VAL:CA	4	0.31
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	9	0.31
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	7	0.31
(1,2276)	1:89:C:TYR:N	1:90:C:ALA:C	12	0.31
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	2	0.31
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	17	0.31
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	19	0.31
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	3	0.31
(1,2204)	1:34:C:LYS:CD	1:35:C:GLY:CA	19	0.31
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	13	0.31
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	7	0.31
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	14	0.31
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	1	0.31
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	17	0.31
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	6	0.31
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	15	0.31
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	17	0.31
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	20	0.31
(1,2084)	1:28:B:LEU:HB3	1:30:B:THR:HA	12	0.31
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	10	0.31
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	15	0.31
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	16	0.31
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	17	0.31
(1,1530)	1:91:B:GLY:CA	1:95:B:VAL:CA	4	0.31
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	9	0.31
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	7	0.31
(1,1219)	1:89:B:TYR:N	1:90:B:ALA:C	12	0.31
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	2	0.31
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	17	0.31
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	19	0.31
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	3	0.31
(1,1147)	1:34:B:LYS:CD	1:35:B:GLY:CA	19	0.31
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	13	0.31
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	19	0.31
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	7	0.31
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	14	0.31
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	1	0.31
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	17	0.31
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	1	0.31
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	6	0.31
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	15	0.31
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	17	0.31
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	20	0.31
(1,1027)	1:28:A:LEU:HB3	1:30:A:THR:HA	12	0.31
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	15	0.31
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	10	0.31
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	15	0.31
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	16	0.31
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	10	0.31
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	17	0.31
(1,473)	1:91:A:GLY:CA	1:95:A:VAL:CA	4	0.31
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	7	0.31
(1,162)	1:89:A:TYR:N	1:90:A:ALA:C	12	0.31
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	2	0.31
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	17	0.31
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	19	0.31
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	3	0.31
(1,90)	1:34:A:LYS:CD	1:35:A:GLY:CA	19	0.31
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	13	0.31
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	19	0.31
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	7	0.31
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	14	0.31
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	1	0.31
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	17	0.31
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	18	0.3
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	19	0.3
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	10	0.3
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	14	0.3
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	18	0.3
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	19	0.3
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	10	0.3
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	14	0.3
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	18	0.3
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	19	0.3
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	10	0.3
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	14	0.3
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	10	0.3
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	7	0.3
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	9	0.3
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	13	0.3
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	3	0.3
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	4	0.3
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	13	0.3
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	3	0.3
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	4	0.3
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	18	0.3
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	4	0.3
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	9	0.3
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	7	0.3
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	7	0.3
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	17	0.3
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	16	0.3
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	4	0.3
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	12	0.3
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	10	0.3
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	9	0.3
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	7	0.3
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	1	0.3
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	17	0.3
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	5	0.3
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	13	0.3
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	19	0.3
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	10	0.3
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	15	0.3
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	9	0.3
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	8	0.3
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	13	0.3
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	12	0.3
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	14	0.3
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	1	0.3
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	10	0.3
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	7	0.3
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	9	0.3
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	13	0.3
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	3	0.3
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	4	0.3
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	13	0.3
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	3	0.3
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	4	0.3
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	13	0.3
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	4	0.3
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	9	0.3
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	7	0.3
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	7	0.3
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	17	0.3
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	16	0.3
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	15	0.3
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	4	0.3
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	12	0.3
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	10	0.3
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	9	0.3
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	7	0.3
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	1	0.3
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	5	0.3
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	13	0.3
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	19	0.3
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	10	0.3
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	15	0.3
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	9	0.3
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	8	0.3
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	13	0.3
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	14	0.3
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	12	0.3
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	1	0.3
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	10	0.3
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	7	0.3
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	9	0.3
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	13	0.3
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	3	0.3
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	4	0.3
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	13	0.3
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	3	0.3
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	4	0.3
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	18	0.3
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	4	0.3
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	9	0.3
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	6	0.3
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	7	0.3
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	7	0.3
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	17	0.3
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	16	0.3
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	15	0.3
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	4	0.3
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	12	0.3
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	10	0.3
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	9	0.3
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	7	0.3
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	1	0.3
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	17	0.3
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	5	0.3
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	13	0.3
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	7	0.3
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	10	0.3
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	15	0.3
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	8	0.3
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	13	0.3
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	12	0.3
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	14	0.3
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	1	0.3
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	13	0.3
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	14	0.3
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	5	0.3
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	16	0.3
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	8	0.3
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	4	0.3
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	9	0.3
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	17	0.3
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	20	0.3
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	13	0.3
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	14	0.3
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	5	0.3
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	16	0.3
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	8	0.3
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	5	0.3
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	4	0.3
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	9	0.3
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	17	0.3
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	20	0.3
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	13	0.3
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	13	0.3
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	14	0.3
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	5	0.3
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	8	0.3
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	4	0.3
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	9	0.3
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	17	0.3
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	20	0.3
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	5	0.3
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	5	0.3
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	5	0.3
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	16	0.3
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	8	0.3
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	16	0.3
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	20	0.3
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	13	0.3
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	10	0.3
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	2	0.3
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	10	0.3
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	1	0.3
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	10	0.3
(1,2217)	1:51:C:VAL:CG1	1:79:C:GLU:CG	14	0.3
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	6	0.3
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	16	0.3
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	3	0.3
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	18	0.3
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	16	0.3
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	20	0.3
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	8	0.3
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	20	0.3
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	13	0.3
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	17	0.3
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	10	0.3
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	2	0.3
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	10	0.3
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	1	0.3
(1,1160)	1:51:B:VAL:CG1	1:79:B:GLU:CG	14	0.3
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	10	0.3
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	6	0.3
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	16	0.3
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	3	0.3
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	18	0.3
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	16	0.3
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	20	0.3
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	8	0.3
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	16	0.3
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	20	0.3
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	13	0.3
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	17	0.3
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	2	0.3
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	10	0.3
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	1	0.3
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	10	0.3
(1,103)	1:51:A:VAL:CG1	1:79:A:GLU:CG	14	0.3
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	6	0.3
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	16	0.3
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	3	0.3
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	5	0.29
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	18	0.29
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	20	0.29
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	8	0.29
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	5	0.29
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	18	0.29
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	20	0.29
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	8	0.29
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	5	0.29
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	18	0.29
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	20	0.29
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	8	0.29
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	2	0.29
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	17	0.29
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	11	0.29
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	14	0.29
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	8	0.29
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	15	0.29
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	14	0.29
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	17	0.29
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	20	0.29
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	2	0.29
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	18	0.29
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	18	0.29
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	6	0.29
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	12	0.29
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	4	0.29
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	19	0.29
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	8	0.29
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	14	0.29
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	15	0.29
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	19	0.29
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	6	0.29
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	12	0.29
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	14	0.29
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	11	0.29
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	5	0.29
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	16	0.29
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	5	0.29
(2,310)	1:96:C:MET:H	1:88:C:ALA:O	15	0.29
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	1	0.29
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	12	0.29
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	17	0.29
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	7	0.29
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	9	0.29
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	11	0.29
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	10	0.29
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	8	0.29
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	10	0.29
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	16	0.29
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	10	0.29
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	18	0.29
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	7	0.29
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	9	0.29
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	3	0.29
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	6	0.29
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	20	0.29
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	16	0.29
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	12	0.29
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	1	0.29
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	8	0.29
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	12	0.29
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	2	0.29
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	17	0.29
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	11	0.29
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	14	0.29
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	8	0.29
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	15	0.29
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	14	0.29
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	17	0.29
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	2	0.29
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	18	0.29
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	18	0.29
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	6	0.29
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	12	0.29
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	4	0.29
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	19	0.29
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	8	0.29
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	14	0.29
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	15	0.29
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	19	0.29
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	6	0.29
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	14	0.29
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	11	0.29
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	5	0.29
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	16	0.29
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	15	0.29
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	1	0.29
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	16	0.29
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	12	0.29
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	17	0.29
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	7	0.29
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	9	0.29
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	11	0.29
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	10	0.29
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	8	0.29
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	10	0.29
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	16	0.29
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	10	0.29
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	18	0.29
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	7	0.29
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	9	0.29
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	3	0.29
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	6	0.29
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	20	0.29
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	16	0.29
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	12	0.29
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	1	0.29
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	8	0.29
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	12	0.29
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	2	0.29
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	17	0.29
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	11	0.29
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	14	0.29
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	8	0.29
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	15	0.29
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	14	0.29
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	17	0.29
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	2	0.29
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	18	0.29
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	18	0.29
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	6	0.29
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	12	0.29
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	19	0.29
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	8	0.29
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	14	0.29
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	15	0.29
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	19	0.29
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	6	0.29
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	12	0.29
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	14	0.29
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	11	0.29
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	5	0.29
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	16	0.29
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	15	0.29
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	1	0.29
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	16	0.29
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	12	0.29
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	17	0.29
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	7	0.29
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	9	0.29
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	11	0.29
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	10	0.29
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	8	0.29
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	10	0.29
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	19	0.29
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	16	0.29
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	10	0.29
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	18	0.29
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	9	0.29
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	3	0.29
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	6	0.29
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	20	0.29
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	16	0.29
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	12	0.29
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	1	0.29
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	8	0.29
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	12	0.29
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	8	0.29
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	13	0.29
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	20	0.29
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	8	0.29
(1,3870)	1:84:C:LYS:CB	1:100:C:SER:CA	5	0.29
(1,3857)	1:62:C:GLY:CA	1:97:A:TYR:CB	6	0.29
(1,3854)	1:49:C:TYR:HA	1:49:B:TYR:HE1	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	5	0.29
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	8	0.29
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	13	0.29
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	20	0.29
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	8	0.29
(1,3677)	1:84:B:LYS:CB	1:100:B:SER:CA	5	0.29
(1,3664)	1:62:B:GLY:CA	1:97:C:TYR:CB	6	0.29
(1,3661)	1:49:B:TYR:HA	1:49:A:TYR:HE1	19	0.29
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	8	0.29
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	13	0.29
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	20	0.29
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	8	0.29
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	16	0.29
(1,3485)	1:84:A:LYS:CB	1:100:A:SER:CA	5	0.29
(1,3472)	1:62:A:GLY:CA	1:97:B:TYR:CB	6	0.29
(1,3469)	1:49:A:TYR:HA	1:49:C:TYR:HE1	19	0.29
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	5	0.29
(1,3396)	1:57:C:THR:HB	1:103:A:ILE:H	12	0.29
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	16	0.29
(1,3315)	1:57:B:THR:HB	1:103:C:ILE:H	12	0.29
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	14	0.29
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	16	0.29
(1,3234)	1:57:A:THR:HB	1:103:B:ILE:H	12	0.29
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	14	0.29
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	16	0.29
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	11	0.29
(1,3055)	1:32:C:VAL:CB	1:34:C:LYS:CD	20	0.29
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	5	0.29
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	15	0.29
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	7	0.29
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	11	0.29
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	5	0.29
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	8	0.29
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	10	0.29
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	14	0.29
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	4	0.29
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	5	0.29
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	6	0.29
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	10	0.29
(1,1998)	1:32:B:VAL:CB	1:34:B:LYS:CD	11	0.29
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	5	0.29
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	15	0.29
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	7	0.29
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	2	0.29
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	11	0.29
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	5	0.29
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	10	0.29
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	8	0.29
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	14	0.29
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	4	0.29
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	5	0.29
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	6	0.29
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	10	0.29
(1,941)	1:32:A:VAL:CB	1:34:A:LYS:CD	11	0.29
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	5	0.29
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	15	0.29
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	8	0.29
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	7	0.29
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	11	0.29
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	5	0.29
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	8	0.29
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	10	0.29
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	14	0.29
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	4	0.29
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	5	0.29
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	6	0.29
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	10	0.29
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	4	0.28
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	5	0.28
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	16	0.28
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	1	0.28
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	17	0.28
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	19	0.28
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	4	0.28
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	5	0.28
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	16	0.28
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	1	0.28
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	17	0.28
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	19	0.28
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	4	0.28
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	5	0.28
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	16	0.28
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	17	0.28
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	19	0.28
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	11	0.28
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	13	0.28
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	10	0.28
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	14	0.28
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	15	0.28
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	7	0.28
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	3	0.28
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	14	0.28
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	13	0.28
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	19	0.28
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	2	0.28
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	18	0.28
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	11	0.28
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	20	0.28
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	14	0.28
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	10	0.28
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	19	0.28
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	9	0.28
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	14	0.28
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	7	0.28
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	17	0.28
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	8	0.28
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	16	0.28
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	9	0.28
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	15	0.28
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	11	0.28
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	11	0.28
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	16	0.28
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	4	0.28
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	13	0.28
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	4	0.28
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	18	0.28
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	13	0.28
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	1	0.28
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	17	0.28
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	2	0.28
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	18	0.28
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	4	0.28
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	10	0.28
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	7	0.28
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	10	0.28
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	9	0.28
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	16	0.28
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	18	0.28
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	4	0.28
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	14	0.28
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	16	0.28
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	11	0.28
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	13	0.28
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	10	0.28
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	14	0.28
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	15	0.28
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	7	0.28
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	20	0.28
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	3	0.28
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	14	0.28
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	13	0.28
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	19	0.28
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	2	0.28
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	2	0.28
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	11	0.28
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	20	0.28
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	14	0.28
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	10	0.28
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	19	0.28
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	9	0.28
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	14	0.28
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	7	0.28
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	17	0.28
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	6	0.28
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	8	0.28
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	16	0.28
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	9	0.28
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	15	0.28
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	11	0.28
(2,188)	1:96:B:MET:H	1:88:B:ALA:O	5	0.28
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	11	0.28
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	16	0.28
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	4	0.28
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	13	0.28
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	18	0.28
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	13	0.28
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	1	0.28
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	17	0.28
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	19	0.28
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	2	0.28
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	18	0.28
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	4	0.28
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	10	0.28
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	14	0.28
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	7	0.28
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	10	0.28
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	9	0.28
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	16	0.28
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	18	0.28
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	4	0.28
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	9	0.28
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	14	0.28
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	16	0.28
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	11	0.28
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	13	0.28
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	10	0.28
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	14	0.28
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	15	0.28
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	7	0.28
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	20	0.28
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	3	0.28
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	14	0.28
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	13	0.28
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	19	0.28
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	2	0.28
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	18	0.28
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	11	0.28
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	20	0.28
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	14	0.28
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	10	0.28
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	19	0.28
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	9	0.28
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	14	0.28
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	7	0.28
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	17	0.28
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	16	0.28
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	9	0.28
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	15	0.28
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	11	0.28
(2,66)	1:96:A:MET:H	1:88:A:ALA:O	5	0.28
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	11	0.28
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	4	0.28
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	13	0.28
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	4	0.28
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	18	0.28
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	13	0.28
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	1	0.28
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	17	0.28
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	2	0.28
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	18	0.28
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	4	0.28
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	10	0.28
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	14	0.28
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	7	0.28
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	10	0.28
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	9	0.28
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	16	0.28
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	18	0.28
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	4	0.28
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	14	0.28
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	16	0.28
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	12	0.28
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	5	0.28
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	20	0.28
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	20	0.28
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	9	0.28
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	10	0.28
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	12	0.28
(1,3807)	1:47:C:GLN:CG	1:54:C:VAL:CB	16	0.28
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	12	0.28
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	5	0.28
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	20	0.28
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	9	0.28
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	10	0.28
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	12	0.28
(1,3614)	1:47:B:GLN:CG	1:54:B:VAL:CB	16	0.28
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	5	0.28
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	20	0.28
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	20	0.28
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	10	0.28
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	12	0.28
(1,3422)	1:47:A:GLN:CG	1:54:A:VAL:CB	16	0.28
(1,3411)	1:48:C:PRO:CA	1:104:A:GLU:CA	15	0.28
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	14	0.28
(1,3330)	1:48:B:PRO:CA	1:104:C:GLU:CA	15	0.28
(1,3249)	1:48:A:PRO:CA	1:104:B:GLU:CA	15	0.28
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	19	0.28
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	4	0.28
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	10	0.28
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	16	0.28
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	9	0.28
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	8	0.28
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	2	0.28
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	2	0.28
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	16	0.28
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	5	0.28
(1,2183)	1:34:C:LYS:CA	1:37:C:ALA:CA	10	0.28
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	16	0.28
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	14	0.28
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	19	0.28
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	4	0.28
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	10	0.28
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	16	0.28
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	9	0.28
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	8	0.28
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	2	0.28
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	16	0.28
(1,1126)	1:34:B:LYS:CA	1:37:B:ALA:CA	10	0.28
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	16	0.28
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	14	0.28
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	19	0.28
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	4	0.28
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	10	0.28
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	16	0.28
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	9	0.28
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	2	0.28
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	2	0.28
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	5	0.28
(1,69)	1:34:A:LYS:CA	1:37:A:ALA:CA	10	0.28
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	16	0.28
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	14	0.28
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	4	0.27
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	12	0.27
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	7	0.27
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	8	0.27
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	7	0.27
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	2	0.27
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	18	0.27
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	4	0.27
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	12	0.27
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	7	0.27
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	8	0.27
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	7	0.27
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	2	0.27
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	18	0.27
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	4	0.27
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	12	0.27
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	7	0.27
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	8	0.27
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	7	0.27
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	2	0.27
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	18	0.27
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	4	0.27
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	11	0.27
(2,364)	1:37:C:ALA:H	1:33:C:ASP:O	20	0.27
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	2	0.27
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	7	0.27
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	4	0.27
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	15	0.27
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	1	0.27
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	12	0.27
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	5	0.27
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	6	0.27
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	2	0.27
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	6	0.27
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	9	0.27
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	13	0.27
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	7	0.27
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	13	0.27
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	15	0.27
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	17	0.27
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	16	0.27
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	7	0.27
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	6	0.27
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	19	0.27
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	17	0.27
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	18	0.27
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	9	0.27
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	18	0.27
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	2	0.27
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	5	0.27
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	7	0.27
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	18	0.27
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	18	0.27
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	6	0.27
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	15	0.27
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	2	0.27
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	11	0.27
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	19	0.27
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	1	0.27
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	6	0.27
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	3	0.27
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	16	0.27
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	11	0.27
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	20	0.27
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	16	0.27
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	3	0.27
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	3	0.27
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	11	0.27
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	16	0.27
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	15	0.27
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	1	0.27
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	18	0.27
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	9	0.27
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	10	0.27
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	13	0.27
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	9	0.27
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	4	0.27
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	4	0.27
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:37:B:ALA:H	1:33:B:ASP:O	20	0.27
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	2	0.27
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	7	0.27
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	4	0.27
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	15	0.27
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	1	0.27
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	12	0.27
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	5	0.27
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	6	0.27
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	6	0.27
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	9	0.27
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	18	0.27
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	13	0.27
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	7	0.27
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	3	0.27
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	13	0.27
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	15	0.27
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	17	0.27
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	16	0.27
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	7	0.27
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	19	0.27
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	17	0.27
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	18	0.27
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	9	0.27
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	18	0.27
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	2	0.27
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	5	0.27
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	7	0.27
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	18	0.27
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	18	0.27
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	6	0.27
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	2	0.27
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	11	0.27
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	1	0.27
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	6	0.27
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	3	0.27
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	16	0.27
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	20	0.27
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	16	0.27
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	3	0.27
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	3	0.27
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	16	0.27
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	15	0.27
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	14	0.27
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	1	0.27
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	18	0.27
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	9	0.27
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	10	0.27
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	13	0.27
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	19	0.27
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	4	0.27
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	4	0.27
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	11	0.27
(2,120)	1:37:A:ALA:H	1:33:A:ASP:O	20	0.27
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	2	0.27
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	7	0.27
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	4	0.27
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	15	0.27
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	1	0.27
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	12	0.27
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	5	0.27
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	6	0.27
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	2	0.27
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	6	0.27
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	9	0.27
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	13	0.27
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	7	0.27
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	3	0.27
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	13	0.27
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	15	0.27
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	17	0.27
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	16	0.27
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	7	0.27
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	6	0.27
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	19	0.27
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	17	0.27
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	18	0.27
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	9	0.27
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	18	0.27
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	2	0.27
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	5	0.27
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	16	0.27
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	18	0.27
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	7	0.27
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	18	0.27
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	6	0.27
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	15	0.27
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	2	0.27
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	11	0.27
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	19	0.27
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	1	0.27
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	6	0.27
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	3	0.27
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	16	0.27
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	20	0.27
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	16	0.27
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	3	0.27
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	3	0.27
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	11	0.27
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	16	0.27
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	15	0.27
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	1	0.27
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	18	0.27
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	9	0.27
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	10	0.27
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	13	0.27
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	9	0.27
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	4	0.27
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	8	0.27
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	18	0.27
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	7	0.27
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	20	0.27
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	2	0.27
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	3	0.27
(1,3832)	1:23:C:ASN:CB	1:25:B:LEU:CD1	18	0.27
(1,3819)	1:51:C:VAL:CG1	1:79:C:GLU:CD	20	0.27
(1,3802)	1:76:C:ARG:CD	1:104:A:GLU:CG	12	0.27
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	19	0.27
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	16	0.27
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	8	0.27
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	18	0.27
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	7	0.27
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	20	0.27
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	2	0.27
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	3	0.27
(1,3639)	1:23:B:ASN:CB	1:25:A:LEU:CD1	18	0.27
(1,3626)	1:51:B:VAL:CG1	1:79:B:GLU:CD	20	0.27
(1,3609)	1:76:B:ARG:CD	1:104:C:GLU:CG	12	0.27
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	19	0.27
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	16	0.27
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	8	0.27
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	18	0.27
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	7	0.27
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	20	0.27
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	2	0.27
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	3	0.27
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	9	0.27
(1,3447)	1:23:A:ASN:CB	1:25:C:LEU:CD1	18	0.27
(1,3434)	1:51:A:VAL:CG1	1:79:A:GLU:CD	20	0.27
(1,3417)	1:76:A:ARG:CD	1:104:B:GLU:CG	12	0.27
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	19	0.27
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	16	0.27
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	2	0.27
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	10	0.27
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	13	0.27
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	2	0.27
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	10	0.27
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	13	0.27
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	2	0.27
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	13	0.27
(1,3042)	1:32:C:VAL:HB	1:33:C:ASP:H	12	0.27
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	11	0.27
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	14	0.27
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	8	0.27
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	1	0.27
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	3	0.27
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	5	0.27
(1,2559)	1:102:C:ASN:CA	1:104:C:GLU:CD	19	0.27
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	6	0.27
(1,2240)	1:23:C:ASN:CA	1:27:C:LYS:CD	13	0.27
(1,2220)	1:92:C:SER:HB2	1:94:C:ASP:H	12	0.27
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB1	1	0.27
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	13	0.27
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	17	0.27
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:32:B:VAL:HB	1:33:B:ASP:H	12	0.27
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	11	0.27
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	14	0.27
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	8	0.27
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	1	0.27
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	3	0.27
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	5	0.27
(1,1502)	1:102:B:ASN:CA	1:104:B:GLU:CD	19	0.27
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	6	0.27
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	6	0.27
(1,1163)	1:92:B:SER:HB2	1:94:B:ASP:H	12	0.27
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	5	0.27
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	13	0.27
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	17	0.27
(1,928)	1:32:A:VAL:HB	1:33:A:ASP:H	12	0.27
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	11	0.27
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	14	0.27
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	8	0.27
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	1	0.27
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	3	0.27
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	5	0.27
(1,445)	1:102:A:ASN:CA	1:104:A:GLU:CD	19	0.27
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	6	0.27
(1,126)	1:23:A:ASN:CA	1:27:A:LYS:CD	13	0.27
(1,106)	1:92:A:SER:HB2	1:94:A:ASP:H	12	0.27
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB1	1	0.27
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	13	0.27
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	2	0.26
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	4	0.26
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	9	0.26
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	4	0.26
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	13	0.26
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	6	0.26
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	2	0.26
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	4	0.26
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	9	0.26
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	4	0.26
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	13	0.26
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	6	0.26
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	2	0.26
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	4	0.26
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	4	0.26
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	13	0.26
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	6	0.26
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	12	0.26
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	16	0.26
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	10	0.26
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	6	0.26
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	15	0.26
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	18	0.26
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	7	0.26
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	14	0.26
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	18	0.26
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	7	0.26
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	7	0.26
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	10	0.26
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	17	0.26
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	4	0.26
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	16	0.26
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	17	0.26
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	2	0.26
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	5	0.26
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	13	0.26
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	19	0.26
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	13	0.26
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	10	0.26
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	11	0.26
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	13	0.26
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	5	0.26
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	1	0.26
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	12	0.26
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	11	0.26
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	7	0.26
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	19	0.26
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	18	0.26
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	5	0.26
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	12	0.26
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	9	0.26
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	4	0.26
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	10	0.26
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	6	0.26
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	7	0.26
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	17	0.26
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	20	0.26
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	6	0.26
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	10	0.26
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	4	0.26
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	1	0.26
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	14	0.26
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	2	0.26
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	13	0.26
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	18	0.26
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	19	0.26
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	20	0.26
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	13	0.26
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	19	0.26
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	20	0.26
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	5	0.26
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	20	0.26
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	12	0.26
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	16	0.26
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	10	0.26
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	6	0.26
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	15	0.26
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	18	0.26
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	7	0.26
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	14	0.26
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	18	0.26
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	7	0.26
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	7	0.26
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	10	0.26
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	17	0.26
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	4	0.26
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	16	0.26
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	17	0.26
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	2	0.26
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	5	0.26
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	13	0.26
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	19	0.26
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	13	0.26
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	10	0.26
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	11	0.26
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	13	0.26
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	1	0.26
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	12	0.26
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	11	0.26
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	7	0.26
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	19	0.26
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	15	0.26
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	18	0.26
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	5	0.26
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	12	0.26
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	10	0.26
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	9	0.26
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	11	0.26
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	4	0.26
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	10	0.26
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	6	0.26
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	7	0.26
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	4	0.26
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	17	0.26
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	20	0.26
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	6	0.26
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	10	0.26
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	4	0.26
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	1	0.26
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	2	0.26
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	13	0.26
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	19	0.26
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	20	0.26
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	13	0.26
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	20	0.26
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	5	0.26
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	20	0.26
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	12	0.26
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	10	0.26
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	1	0.26
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	6	0.26
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	15	0.26
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	18	0.26
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	7	0.26
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	14	0.26
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	18	0.26
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	7	0.26
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	10	0.26
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	17	0.26
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	4	0.26
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	16	0.26
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	17	0.26
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	2	0.26
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	5	0.26
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	13	0.26
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	19	0.26
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	13	0.26
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	10	0.26
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	11	0.26
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	13	0.26
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	5	0.26
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	1	0.26
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	12	0.26
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	11	0.26
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	19	0.26
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	18	0.26
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	5	0.26
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	12	0.26
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	9	0.26
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	11	0.26
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	4	0.26
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	10	0.26
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	6	0.26
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	7	0.26
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	4	0.26
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	17	0.26
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	20	0.26
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	6	0.26
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	10	0.26
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	4	0.26
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	1	0.26
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	14	0.26
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	2	0.26
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	13	0.26
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	18	0.26
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	19	0.26
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	20	0.26
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	13	0.26
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	20	0.26
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	5	0.26
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	3	0.26
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	9	0.26
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	12	0.26
(1,3827)	1:28:C:LEU:CD1	1:32:B:VAL:CA	2	0.26
(1,3827)	1:28:C:LEU:CD1	1:32:B:VAL:CA	6	0.26
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	10	0.26
(1,3801)	1:42:C:LEU:CD1	1:84:C:LYS:CD	18	0.26
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	3	0.26
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	9	0.26
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	12	0.26
(1,3634)	1:28:B:LEU:CD1	1:32:A:VAL:CA	2	0.26
(1,3634)	1:28:B:LEU:CD1	1:32:A:VAL:CA	6	0.26
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	10	0.26
(1,3608)	1:42:B:LEU:CD1	1:84:B:LYS:CD	18	0.26
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	3	0.26
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	9	0.26
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	12	0.26
(1,3442)	1:28:A:LEU:CD1	1:32:C:VAL:CA	2	0.26
(1,3442)	1:28:A:LEU:CD1	1:32:C:VAL:CA	6	0.26
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	10	0.26
(1,3416)	1:42:A:LEU:CD1	1:84:A:LYS:CD	18	0.26
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	6	0.26
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	8	0.26
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	11	0.26
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	6	0.26
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	8	0.26
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	11	0.26
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	6	0.26
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	6	0.26
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	10	0.26
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	8	0.26
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	11	0.26
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	11	0.26
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	10	0.26
(1,2981)	1:27:C:LYS:CD	1:30:C:THR:CG2	13	0.26
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	13	0.26
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	8	0.26
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	18	0.26
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	11	0.26
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	3	0.26
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	6	0.26
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	15	0.26
(1,2156)	1:42:C:LEU:HB2	1:87:C:VAL:H	4	0.26
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	4	0.26
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	6	0.26
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	7	0.26
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	10	0.26
(1,2139)	1:69:C:LEU:H	1:89:C:TYR:HB3	9	0.26
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	10	0.26
(1,1924)	1:27:B:LYS:CD	1:30:B:THR:CG2	13	0.26
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	13	0.26
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	8	0.26
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	18	0.26
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	11	0.26
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	12	0.26
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	3	0.26
(1,1183)	1:23:B:ASN:CA	1:27:B:LYS:CD	13	0.26
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	15	0.26
(1,1099)	1:42:B:LEU:HB2	1:87:B:VAL:H	4	0.26
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	4	0.26
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB1	1	0.26
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	6	0.26
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	7	0.26
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	10	0.26
(1,1082)	1:69:B:LEU:H	1:89:B:TYR:HB3	9	0.26
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	11	0.26
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	10	0.26
(1,867)	1:27:A:LYS:CD	1:30:A:THR:CG2	13	0.26
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	13	0.26
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	8	0.26
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	18	0.26
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	11	0.26
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	12	0.26
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	3	0.26
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	6	0.26
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	15	0.26
(1,42)	1:42:A:LEU:HB2	1:87:A:VAL:H	4	0.26
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	4	0.26
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	6	0.26
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	7	0.26
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:69:A:LEU:H	1:89:A:TYR:HB3	17	0.26
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	1	0.25
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	12	0.25
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	1	0.25
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	12	0.25
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	1	0.25
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	12	0.25
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	18	0.25
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	4	0.25
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	1	0.25
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	9	0.25
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	15	0.25
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	20	0.25
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	9	0.25
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	5	0.25
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	1	0.25
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	18	0.25
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	9	0.25
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	19	0.25
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	12	0.25
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	19	0.25
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	18	0.25
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	9	0.25
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	16	0.25
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	3	0.25
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	4	0.25
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	8	0.25
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	16	0.25
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	8	0.25
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	2	0.25
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	14	0.25
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	19	0.25
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	4	0.25
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	7	0.25
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	3	0.25
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	10	0.25
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	20	0.25
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	14	0.25
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	15	0.25
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	19	0.25
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	13	0.25
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	5	0.25
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	16	0.25
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	5	0.25
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	8	0.25
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	10	0.25
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	20	0.25
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	14	0.25
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	9	0.25
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	13	0.25
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	9	0.25
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	16	0.25
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	19	0.25
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	1	0.25
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	8	0.25
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	12	0.25
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	10	0.25
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	19	0.25
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	5	0.25
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	8	0.25
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	1	0.25
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	8	0.25
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	14	0.25
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	4	0.25
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	1	0.25
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	9	0.25
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	15	0.25
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	20	0.25
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	9	0.25
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	5	0.25
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	1	0.25
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	18	0.25
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	9	0.25
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	19	0.25
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	12	0.25
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	19	0.25
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	19	0.25
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	18	0.25
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	16	0.25
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	3	0.25
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	4	0.25
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	8	0.25
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	8	0.25
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	2	0.25
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	14	0.25
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	19	0.25
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	4	0.25
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	7	0.25
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	3	0.25
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	10	0.25
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	20	0.25
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	14	0.25
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	19	0.25
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	13	0.25
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	14	0.25
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	5	0.25
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	16	0.25
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	5	0.25
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	8	0.25
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	20	0.25
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	14	0.25
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	9	0.25
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	13	0.25
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	9	0.25
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	16	0.25
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	19	0.25
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	1	0.25
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	8	0.25
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	12	0.25
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	10	0.25
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	18	0.25
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	19	0.25
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	5	0.25
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	8	0.25
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	1	0.25
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	8	0.25
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	4	0.25
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	16	0.25
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	9	0.25
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	15	0.25
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	20	0.25
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	9	0.25
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	5	0.25
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	18	0.25
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	9	0.25
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	19	0.25
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	12	0.25
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	19	0.25
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	19	0.25
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	18	0.25
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	9	0.25
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	16	0.25
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	3	0.25
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	4	0.25
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	8	0.25
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	16	0.25
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	8	0.25
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	2	0.25
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	14	0.25
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	19	0.25
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	4	0.25
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	7	0.25
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	3	0.25
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	10	0.25
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	20	0.25
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	19	0.25
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	13	0.25
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	14	0.25
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	5	0.25
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	16	0.25
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	5	0.25
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	8	0.25
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	10	0.25
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	20	0.25
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	14	0.25
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	9	0.25
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	13	0.25
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	9	0.25
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	16	0.25
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	19	0.25
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	1	0.25
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	8	0.25
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	12	0.25
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	10	0.25
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	5	0.25
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	8	0.25
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	1	0.25
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	8	0.25
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	14	0.25
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	20	0.25
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	2	0.25
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	4	0.25
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	13	0.25
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	8	0.25
(1,3897)	1:28:C:LEU:CG	1:30:B:THR:CA	1	0.25
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	3	0.25
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	20	0.25
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	5	0.25
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	1	0.25
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	18	0.25
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	8	0.25
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	11	0.25
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	2	0.25
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	4	0.25
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	13	0.25
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	8	0.25
(1,3704)	1:28:B:LEU:CG	1:30:A:THR:CA	1	0.25
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	3	0.25
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	20	0.25
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	5	0.25
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	1	0.25
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	18	0.25
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	19	0.25
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	11	0.25
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	2	0.25
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	4	0.25
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	13	0.25
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	8	0.25
(1,3512)	1:28:A:LEU:CG	1:30:C:THR:CA	1	0.25
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	3	0.25
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	20	0.25
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	5	0.25
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	1	0.25
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	18	0.25
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	19	0.25
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	11	0.25
(1,3410)	1:48:C:PRO:CA	1:103:A:ILE:C	19	0.25
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	17	0.25
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	6	0.25
(1,3329)	1:48:B:PRO:CA	1:103:C:ILE:C	19	0.25
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	17	0.25
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	1	0.25
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	6	0.25
(1,3248)	1:48:A:PRO:CA	1:103:B:ILE:C	19	0.25
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	17	0.25
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	7	0.25
(1,2954)	1:32:C:VAL:CG2	1:34:C:LYS:CA	3	0.25
(1,2933)	1:31:C:ARG:CB	1:94:C:ASP:CB	16	0.25
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	17	0.25
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	1	0.25
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	5	0.25
(1,2447)	1:71:C:ILE:CG1	1:87:C:VAL:CB	15	0.25
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	17	0.25
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	9	0.25
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	3	0.25
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	4	0.25
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	12	0.25
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	4	0.25
(1,2144)	1:28:C:LEU:H	1:30:C:THR:HB	1	0.25
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	9	0.25
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	7	0.25
(1,1897)	1:32:B:VAL:CG2	1:34:B:LYS:CA	3	0.25
(1,1876)	1:31:B:ARG:CB	1:94:B:ASP:CB	16	0.25
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	17	0.25
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	1	0.25
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	5	0.25
(1,1390)	1:71:B:ILE:CG1	1:87:B:VAL:CB	15	0.25
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	17	0.25
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	9	0.25
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	3	0.25
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	4	0.25
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	12	0.25
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	4	0.25
(1,1087)	1:28:B:LEU:H	1:30:B:THR:HB	1	0.25
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	9	0.25
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	7	0.25
(1,840)	1:32:A:VAL:CG2	1:34:A:LYS:CA	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:31:A:ARG:CB	1:94:A:ASP:CB	16	0.25
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	17	0.25
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	1	0.25
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	5	0.25
(1,333)	1:71:A:ILE:CG1	1:87:A:VAL:CB	15	0.25
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	17	0.25
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	3	0.25
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	4	0.25
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	12	0.25
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	4	0.25
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	1	0.25
(1,30)	1:28:A:LEU:H	1:30:A:THR:HB	10	0.25
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	9	0.25
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	1	0.24
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	12	0.24
(2,422)	1:105:A:TRP:H	1:54:C:VAL:O	15	0.24
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	3	0.24
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	18	0.24
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	1	0.24
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	12	0.24
(2,402)	1:105:C:TRP:H	1:54:B:VAL:O	15	0.24
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	3	0.24
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	18	0.24
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	1	0.24
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	12	0.24
(2,382)	1:105:B:TRP:H	1:54:A:VAL:O	15	0.24
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	3	0.24
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	18	0.24
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	18	0.24
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	19	0.24
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	2	0.24
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	16	0.24
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	17	0.24
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	16	0.24
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	19	0.24
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	10	0.24
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	7	0.24
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	10	0.24
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	20	0.24
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	8	0.24
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	19	0.24
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	6	0.24
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	10	0.24
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	3	0.24
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	17	0.24
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	1	0.24
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	7	0.24
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	16	0.24
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	15	0.24
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	1	0.24
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	20	0.24
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	4	0.24
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	17	0.24
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	19	0.24
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	13	0.24
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	14	0.24
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	2	0.24
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	16	0.24
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	8	0.24
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	15	0.24
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	3	0.24
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	18	0.24
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	10	0.24
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	20	0.24
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	14	0.24
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	10	0.24
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	18	0.24
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	18	0.24
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	19	0.24
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	2	0.24
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	16	0.24
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	17	0.24
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	16	0.24
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	19	0.24
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	10	0.24
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	7	0.24
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	10	0.24
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	20	0.24
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	8	0.24
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	9	0.24
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	9	0.24
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	6	0.24
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	3	0.24
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	17	0.24
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	1	0.24
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	7	0.24
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	16	0.24
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	15	0.24
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	1	0.24
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	20	0.24
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	15	0.24
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	4	0.24
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	17	0.24
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	19	0.24
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	13	0.24
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	14	0.24
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	2	0.24
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	16	0.24
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	8	0.24
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	15	0.24
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	3	0.24
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	18	0.24
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	10	0.24
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	20	0.24
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	14	0.24
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	10	0.24
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	14	0.24
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	18	0.24
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	18	0.24
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	19	0.24
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	2	0.24
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	16	0.24
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	17	0.24
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	16	0.24
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	19	0.24
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	10	0.24
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	7	0.24
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	10	0.24
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	20	0.24
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	8	0.24
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	9	0.24
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	6	0.24
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	10	0.24
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	17	0.24
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	1	0.24
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	7	0.24
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	16	0.24
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	15	0.24
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	1	0.24
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	14	0.24
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	20	0.24
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	15	0.24
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	4	0.24
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	17	0.24
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	19	0.24
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	13	0.24
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	14	0.24
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	2	0.24
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	16	0.24
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	8	0.24
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	15	0.24
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	3	0.24
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	18	0.24
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	10	0.24
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	20	0.24
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	14	0.24
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	10	0.24
(1,3958)	1:28:C:LEU:CD2	1:30:C:THR:CA	12	0.24
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	10	0.24
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	11	0.24
(1,3865)	1:96:C:MET:CE	1:97:C:TYR:N	1	0.24
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	1	0.24
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	2	0.24
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	3	0.24
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	7	0.24
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	10	0.24
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	19	0.24
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	9	0.24
(1,3765)	1:28:B:LEU:CD2	1:30:B:THR:CA	12	0.24
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	10	0.24
(1,3672)	1:96:B:MET:CE	1:97:B:TYR:N	1	0.24
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	1	0.24
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	3	0.24
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	7	0.24
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	8	0.24
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	9	0.24
(1,3572)	1:28:A:LEU:CD2	1:30:A:THR:CA	12	0.24
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	10	0.24
(1,3480)	1:96:A:MET:CE	1:97:A:TYR:N	1	0.24
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	1	0.24
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	2	0.24
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	3	0.24
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	7	0.24
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	10	0.24
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	9	0.24
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	1	0.24
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	1	0.24
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	9	0.24
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	10	0.24
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	14	0.24
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	15	0.24
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	6	0.24
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	17	0.24
(1,2707)	1:96:C:MET:HE3	1:97:C:TYR:H	9	0.24
(1,2565)	1:83:C:LEU:CB	1:102:C:ASN:CB	15	0.24
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	12	0.24
(1,2476)	1:90:C:ALA:CA	1:95:C:VAL:CG2	5	0.24
(1,2245)	1:80:C:SER:HB2	1:81:C:VAL:HA	19	0.24
(1,2240)	1:23:C:ASN:CA	1:27:C:LYS:CD	1	0.24
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	5	0.24
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	17	0.24
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	9	0.24
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	10	0.24
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	14	0.24
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	15	0.24
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	6	0.24
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	17	0.24
(1,1650)	1:96:B:MET:HE3	1:97:B:TYR:H	9	0.24
(1,1508)	1:83:B:LEU:CB	1:102:B:ASN:CB	15	0.24
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	12	0.24
(1,1419)	1:90:B:ALA:CA	1:95:B:VAL:CG2	5	0.24
(1,1188)	1:80:B:SER:HB2	1:81:B:VAL:HA	19	0.24
(1,1183)	1:23:B:ASN:CA	1:27:B:LYS:CD	1	0.24
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	5	0.24
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	17	0.24
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	10	0.24
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	14	0.24
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	15	0.24
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	6	0.24
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	17	0.24
(1,593)	1:96:A:MET:HE3	1:97:A:TYR:H	9	0.24
(1,451)	1:83:A:LEU:CB	1:102:A:ASN:CB	15	0.24
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	12	0.24
(1,362)	1:90:A:ALA:CA	1:95:A:VAL:CG2	5	0.24
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	9	0.24
(1,131)	1:80:A:SER:HB2	1:81:A:VAL:HA	19	0.24
(1,126)	1:23:A:ASN:CA	1:27:A:LYS:CD	1	0.24
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	5	0.24
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	17	0.24
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	10	0.23
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	6	0.23
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	11	0.23
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	16	0.23
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	17	0.23
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	3	0.23
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	20	0.23
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	10	0.23
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	6	0.23
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	11	0.23
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	16	0.23
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	17	0.23
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	3	0.23
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	20	0.23
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	10	0.23
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	6	0.23
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	11	0.23
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	16	0.23
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	17	0.23
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	3	0.23
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	20	0.23
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	1	0.23
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	12	0.23
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	4	0.23
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	5	0.23
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	9	0.23
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	19	0.23
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	2	0.23
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	18	0.23
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	9	0.23
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	12	0.23
(2,337)	1:85:C:ALA:N	1:73:C:SER:O	12	0.23
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	17	0.23
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	14	0.23
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	12	0.23
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	17	0.23
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	18	0.23
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	14	0.23
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	15	0.23
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	5	0.23
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	15	0.23
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	12	0.23
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	19	0.23
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	18	0.23
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	5	0.23
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	19	0.23
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	12	0.23
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	7	0.23
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	17	0.23
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	16	0.23
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	3	0.23
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	5	0.23
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	18	0.23
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	6	0.23
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	6	0.23
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	7	0.23
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	13	0.23
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	13	0.23
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	15	0.23
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	11	0.23
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	19	0.23
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	5	0.23
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	7	0.23
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	6	0.23
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	16	0.23
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	11	0.23
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	4	0.23
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	1	0.23
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	4	0.23
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	5	0.23
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	9	0.23
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	19	0.23
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	7	0.23
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	11	0.23
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	2	0.23
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	18	0.23
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	9	0.23
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	12	0.23
(2,215)	1:85:B:ALA:N	1:73:B:SER:O	12	0.23
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	17	0.23
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	14	0.23
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	12	0.23
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	17	0.23
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	18	0.23
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	14	0.23
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	15	0.23
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	5	0.23
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	15	0.23
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	12	0.23
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	19	0.23
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	18	0.23
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	5	0.23
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	19	0.23
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	12	0.23
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	7	0.23
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	17	0.23
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	16	0.23
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	3	0.23
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	5	0.23
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	18	0.23
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	6	0.23
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	7	0.23
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	13	0.23
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	13	0.23
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	15	0.23
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	11	0.23
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	19	0.23
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	5	0.23
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	7	0.23
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	16	0.23
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	11	0.23
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	4	0.23
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	1	0.23
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	12	0.23
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	4	0.23
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	5	0.23
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	9	0.23
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	19	0.23
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	11	0.23
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	2	0.23
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	18	0.23
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	9	0.23
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	12	0.23
(2,93)	1:85:A:ALA:N	1:73:A:SER:O	12	0.23
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	17	0.23
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	14	0.23
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	12	0.23
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	17	0.23
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	18	0.23
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	14	0.23
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	15	0.23
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	5	0.23
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	15	0.23
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	12	0.23
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	19	0.23
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	18	0.23
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	5	0.23
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	19	0.23
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	12	0.23
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	8	0.23
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	7	0.23
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	17	0.23
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	16	0.23
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	11	0.23
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	3	0.23
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	5	0.23
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	18	0.23
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	6	0.23
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	6	0.23
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	7	0.23
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	13	0.23
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	15	0.23
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	11	0.23
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	19	0.23
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	5	0.23
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	7	0.23
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	6	0.23
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	16	0.23
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	11	0.23
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	4	0.23
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	9	0.23
(1,3923)	1:32:C:VAL:CG1	1:33:C:ASP:CB	11	0.23
(1,3872)	1:83:C:LEU:HG	1:84:C:LYS:H	4	0.23
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	12	0.23
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	16	0.23
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	15	0.23
(1,3826)	1:42:C:LEU:HA	1:98:A:ASN:HB3	17	0.23
(1,3826)	1:42:C:LEU:HA	1:98:A:ASN:HB3	19	0.23
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	2	0.23
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	9	0.23
(1,3730)	1:32:B:VAL:CG1	1:33:B:ASP:CB	11	0.23
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	11	0.23
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	19	0.23
(1,3679)	1:83:B:LEU:HG	1:84:B:LYS:H	4	0.23
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	12	0.23
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	16	0.23
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	15	0.23
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	2	0.23
(1,3633)	1:42:B:LEU:HA	1:98:C:ASN:HB3	17	0.23
(1,3633)	1:42:B:LEU:HA	1:98:C:ASN:HB3	19	0.23
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	2	0.23
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	9	0.23
(1,3538)	1:32:A:VAL:CG1	1:33:A:ASP:CB	11	0.23
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	11	0.23
(1,3487)	1:83:A:LEU:HG	1:84:A:LYS:H	4	0.23
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	12	0.23
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	16	0.23
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	15	0.23
(1,3441)	1:42:A:LEU:HA	1:98:B:ASN:HB3	17	0.23
(1,3441)	1:42:A:LEU:HA	1:98:B:ASN:HB3	19	0.23
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	2	0.23
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	1	0.23
(1,3340)	1:56:C:PHE:HB3	1:81:A:VAL:HA	12	0.23
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	18	0.23
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	1	0.23
(1,3259)	1:56:B:PHE:HB3	1:81:C:VAL:HA	12	0.23
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	18	0.23
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	1	0.23
(1,3178)	1:56:A:PHE:HB3	1:81:B:VAL:HA	12	0.23
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	5	0.23
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	7	0.23
(1,2933)	1:31:C:ARG:CB	1:94:C:ASP:CB	18	0.23
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	13	0.23
(1,2507)	1:54:C:VAL:CG1	1:75:C:TYR:CB	12	0.23
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	7	0.23
(1,2407)	1:103:C:ILE:CD1	1:104:C:GLU:C	11	0.23
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	8	0.23
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	13	0.23
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	2	0.23
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	6	0.23
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	19	0.23
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG3	5	0.23
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	11	0.23
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	20	0.23
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	3	0.23
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	3	0.23
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	7	0.23
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	19	0.23
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	8	0.23
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	5	0.23
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	7	0.23
(1,1876)	1:31:B:ARG:CB	1:94:B:ASP:CB	18	0.23
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	13	0.23
(1,1450)	1:54:B:VAL:CG1	1:75:B:TYR:CB	12	0.23
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	7	0.23
(1,1350)	1:103:B:ILE:CD1	1:104:B:GLU:C	11	0.23
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	8	0.23
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	13	0.23
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	2	0.23
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	6	0.23
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	19	0.23
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG3	5	0.23
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	20	0.23
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	3	0.23
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	3	0.23
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	7	0.23
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	19	0.23
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	8	0.23
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	5	0.23
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	7	0.23
(1,819)	1:31:A:ARG:CB	1:94:A:ASP:CB	18	0.23
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	13	0.23
(1,393)	1:54:A:VAL:CG1	1:75:A:TYR:CB	12	0.23
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	7	0.23
(1,293)	1:103:A:ILE:CD1	1:104:A:GLU:C	11	0.23
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	8	0.23
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	13	0.23
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	2	0.23
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	6	0.23
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	19	0.23
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG3	5	0.23
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	11	0.23
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	20	0.23
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	3	0.23
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	3	0.23
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	7	0.23
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	8	0.23
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	16	0.23
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	8	0.22
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	14	0.22
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	19	0.22
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	12	0.22
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	14	0.22
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	17	0.22
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	2	0.22
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	2	0.22
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	2	0.22
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	9	0.22
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	11	0.22
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	16	0.22
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	7	0.22
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	8	0.22
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	14	0.22
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	12	0.22
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	14	0.22
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	17	0.22
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	2	0.22
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	2	0.22
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	2	0.22
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	9	0.22
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	11	0.22
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	16	0.22
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	7	0.22
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	8	0.22
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	14	0.22
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	19	0.22
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	12	0.22
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	14	0.22
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	17	0.22
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	2	0.22
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	2	0.22
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	2	0.22
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	9	0.22
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	11	0.22
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	16	0.22
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	7	0.22
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	6	0.22
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	15	0.22
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	11	0.22
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	8	0.22
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	14	0.22
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	17	0.22
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	7	0.22
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	4	0.22
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	6	0.22
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	4	0.22
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	14	0.22
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	10	0.22
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	12	0.22
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	3	0.22
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	5	0.22
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	1	0.22
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	8	0.22
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	9	0.22
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	16	0.22
(2,314)	1:44:C:SER:H	1:40:C:ALA:O	19	0.22
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	1	0.22
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	4	0.22
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	8	0.22
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	18	0.22
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	5	0.22
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	10	0.22
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	11	0.22
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	6	0.22
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	2	0.22
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	11	0.22
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	1	0.22
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	8	0.22
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	9	0.22
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	15	0.22
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	8	0.22
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	5	0.22
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	2	0.22
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	3	0.22
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	16	0.22
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	12	0.22
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	19	0.22
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	12	0.22
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	3	0.22
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	13	0.22
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	4	0.22
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	8	0.22
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	17	0.22
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	11	0.22
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	4	0.22
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	16	0.22
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	17	0.22
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	11	0.22
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	15	0.22
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	18	0.22
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	6	0.22
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	15	0.22
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	11	0.22
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	8	0.22
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	14	0.22
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	6	0.22
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	4	0.22
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	14	0.22
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	10	0.22
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	12	0.22
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	17	0.22
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	3	0.22
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	5	0.22
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	1	0.22
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	8	0.22
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	9	0.22
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	12	0.22
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	16	0.22
(2,192)	1:44:B:SER:H	1:40:B:ALA:O	19	0.22
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	1	0.22
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	14	0.22
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	4	0.22
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	8	0.22
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	18	0.22
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	5	0.22
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	10	0.22
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	11	0.22
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	6	0.22
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	11	0.22
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	2	0.22
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	11	0.22
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	1	0.22
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	8	0.22
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	9	0.22
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	15	0.22
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	8	0.22
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	6	0.22
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	5	0.22
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	2	0.22
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	3	0.22
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	16	0.22
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	12	0.22
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	19	0.22
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	12	0.22
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	3	0.22
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	13	0.22
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	17	0.22
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	11	0.22
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	4	0.22
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	16	0.22
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	11	0.22
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	15	0.22
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	18	0.22
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	6	0.22
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	15	0.22
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	11	0.22
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	8	0.22
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	14	0.22
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	7	0.22
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	4	0.22
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	6	0.22
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	4	0.22
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	14	0.22
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	10	0.22
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	12	0.22
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	3	0.22
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	5	0.22
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	1	0.22
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	8	0.22
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	9	0.22
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	12	0.22
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	16	0.22
(2,70)	1:44:A:SER:H	1:40:A:ALA:O	19	0.22
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	1	0.22
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	4	0.22
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	15	0.22
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	18	0.22
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	5	0.22
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	10	0.22
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	6	0.22
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	11	0.22
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	1	0.22
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	2	0.22
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	11	0.22
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	1	0.22
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	8	0.22
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	9	0.22
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	8	0.22
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	5	0.22
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	2	0.22
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	3	0.22
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	16	0.22
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	12	0.22
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	19	0.22
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	12	0.22
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	3	0.22
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	13	0.22
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	4	0.22
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	8	0.22
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	17	0.22
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	11	0.22
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	4	0.22
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	16	0.22
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	17	0.22
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	11	0.22
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	15	0.22
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	18	0.22
(1,3979)	1:40:C:ALA:CA	1:42:A:LEU:CD1	19	0.22
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	18	0.22
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	8	0.22
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	19	0.22
(1,3845)	1:48:C:PRO:C	1:103:A:ILE:C	20	0.22
(1,3843)	1:42:C:LEU:CA	1:96:C:MET:CG	3	0.22
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	9	0.22
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	11	0.22
(1,3823)	1:35:C:GLY:CA	1:93:C:SER:C	13	0.22
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	7	0.22
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	16	0.22
(1,3786)	1:40:B:ALA:CA	1:42:C:LEU:CD1	19	0.22
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	18	0.22
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	4	0.22
(1,3652)	1:48:B:PRO:C	1:103:C:ILE:C	20	0.22
(1,3650)	1:42:B:LEU:CA	1:96:B:MET:CG	3	0.22
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	9	0.22
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	11	0.22
(1,3630)	1:35:B:GLY:CA	1:93:B:SER:C	13	0.22
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	7	0.22
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	16	0.22
(1,3593)	1:40:A:ALA:CA	1:42:B:LEU:CD1	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	18	0.22
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	8	0.22
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	19	0.22
(1,3460)	1:48:A:PRO:C	1:103:B:ILE:C	20	0.22
(1,3458)	1:42:A:LEU:CA	1:96:A:MET:CG	3	0.22
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	9	0.22
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	11	0.22
(1,3438)	1:35:A:GLY:CA	1:93:A:SER:C	13	0.22
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	16	0.22
(1,3348)	1:60:C:VAL:CG2	1:101:A:PHE:CE2	11	0.22
(1,3267)	1:60:B:VAL:CG2	1:101:C:PHE:CE2	11	0.22
(1,3186)	1:60:A:VAL:CG2	1:101:B:PHE:CE2	11	0.22
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	5	0.22
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	8	0.22
(1,3153)	1:30:C:THR:HA	1:31:C:ARG:HA	13	0.22
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	5	0.22
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	16	0.22
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	4	0.22
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	10	0.22
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	9	0.22
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	8	0.22
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	19	0.22
(1,2700)	1:74:C:GLY:HA3	1:84:C:LYS:HB2	16	0.22
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	20	0.22
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	13	0.22
(1,2491)	1:88:C:ALA:CA	1:97:C:TYR:CA	14	0.22
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	12	0.22
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	7	0.22
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	14	0.22
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	1	0.22
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	15	0.22
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	16	0.22
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	11	0.22
(1,2254)	1:31:C:ARG:C	1:90:C:ALA:CA	15	0.22
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	3	0.22
(1,2214)	1:89:C:TYR:CA	1:95:C:VAL:CA	3	0.22
(1,2201)	1:81:C:VAL:CG1	1:103:C:ILE:CD1	10	0.22
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	9	0.22
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	16	0.22
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	19	0.22
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	5	0.22
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:30:B:THR:HA	1:31:B:ARG:HA	13	0.22
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	5	0.22
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	16	0.22
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	4	0.22
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	10	0.22
(1,1839)	1:27:B:LYS:CD	1:30:B:THR:CA	13	0.22
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	9	0.22
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	8	0.22
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	19	0.22
(1,1643)	1:74:B:GLY:HA3	1:84:B:LYS:HB2	16	0.22
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	20	0.22
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	13	0.22
(1,1434)	1:88:B:ALA:CA	1:97:B:TYR:CA	14	0.22
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	12	0.22
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	7	0.22
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	14	0.22
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	1	0.22
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	15	0.22
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	16	0.22
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	11	0.22
(1,1197)	1:31:B:ARG:C	1:90:B:ALA:CA	15	0.22
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	3	0.22
(1,1157)	1:89:B:TYR:CA	1:95:B:VAL:CA	3	0.22
(1,1144)	1:81:B:VAL:CG1	1:103:B:ILE:CD1	10	0.22
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	9	0.22
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	16	0.22
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	19	0.22
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	5	0.22
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	8	0.22
(1,1039)	1:30:A:THR:HA	1:31:A:ARG:HA	13	0.22
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	5	0.22
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	16	0.22
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	4	0.22
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	10	0.22
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	9	0.22
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	8	0.22
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	19	0.22
(1,586)	1:74:A:GLY:HA3	1:84:A:LYS:HB2	16	0.22
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	20	0.22
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	13	0.22
(1,377)	1:88:A:ALA:CA	1:97:A:TYR:CA	14	0.22
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	7	0.22
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	10	0.22
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	14	0.22
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	1	0.22
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	15	0.22
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	16	0.22
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	11	0.22
(1,140)	1:31:A:ARG:C	1:90:A:ALA:CA	15	0.22
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	3	0.22
(1,100)	1:89:A:TYR:CA	1:95:A:VAL:CA	3	0.22
(1,87)	1:81:A:VAL:CG1	1:103:A:ILE:CD1	10	0.22
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	9	0.22
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	19	0.22
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	19	0.22
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	7	0.21
(2,412)	1:60:C:VAL:H	1:99:A:ALA:O	11	0.21
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	16	0.21
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	18	0.21
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	7	0.21
(2,392)	1:60:B:VAL:H	1:99:C:ALA:O	11	0.21
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	16	0.21
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	18	0.21
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	7	0.21
(2,372)	1:60:A:VAL:H	1:99:B:ALA:O	11	0.21
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	16	0.21
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	18	0.21
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	16	0.21
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	1	0.21
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	10	0.21
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	16	0.21
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	19	0.21
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	18	0.21
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	14	0.21
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	19	0.21
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	14	0.21
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	10	0.21
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	6	0.21
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	2	0.21
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	17	0.21
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	7	0.21
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	12	0.21
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	6	0.21
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	18	0.21
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	20	0.21
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	6	0.21
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	1	0.21
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	5	0.21
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	9	0.21
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	20	0.21
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	3	0.21
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	9	0.21
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	19	0.21
(2,309)	1:96:C:MET:N	1:88:C:ALA:O	5	0.21
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	17	0.21
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	14	0.21
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	20	0.21
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	6	0.21
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	20	0.21
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	8	0.21
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	15	0.21
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	13	0.21
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	20	0.21
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	10	0.21
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	15	0.21
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	11	0.21
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	1	0.21
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	5	0.21
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	16	0.21
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	14	0.21
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	2	0.21
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	12	0.21
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	5	0.21
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	9	0.21
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	18	0.21
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	2	0.21
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	3	0.21
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	13	0.21
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	15	0.21
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	17	0.21
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	5	0.21
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	12	0.21
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	16	0.21
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	10	0.21
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	16	0.21
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	17	0.21
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	19	0.21
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	18	0.21
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	10	0.21
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	14	0.21
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	19	0.21
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	14	0.21
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	10	0.21
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	6	0.21
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	2	0.21
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	7	0.21
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	12	0.21
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	2	0.21
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	6	0.21
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	18	0.21
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	20	0.21
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	6	0.21
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	1	0.21
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	5	0.21
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	9	0.21
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	20	0.21
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	3	0.21
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	8	0.21
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	9	0.21
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	19	0.21
(2,187)	1:96:B:MET:N	1:88:B:ALA:O	5	0.21
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	17	0.21
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	20	0.21
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	6	0.21
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	20	0.21
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	8	0.21
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	15	0.21
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	13	0.21
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	10	0.21
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	15	0.21
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	1	0.21
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	5	0.21
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	16	0.21
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	14	0.21
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	12	0.21
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	5	0.21
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	4	0.21
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	9	0.21
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	18	0.21
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	2	0.21
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	3	0.21
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	13	0.21
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	15	0.21
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	17	0.21
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	17	0.21
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	5	0.21
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	12	0.21
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	16	0.21
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	1	0.21
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	10	0.21
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	16	0.21
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	17	0.21
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	19	0.21
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	18	0.21
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	10	0.21
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	14	0.21
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	19	0.21
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	14	0.21
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	10	0.21
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	6	0.21
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	2	0.21
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	17	0.21
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	7	0.21
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	12	0.21
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	2	0.21
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	6	0.21
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	18	0.21
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	20	0.21
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	6	0.21
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	1	0.21
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	9	0.21
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	20	0.21
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	3	0.21
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	8	0.21
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	9	0.21
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:96:A:MET:N	1:88:A:ALA:O	5	0.21
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	17	0.21
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	14	0.21
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	20	0.21
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	6	0.21
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	20	0.21
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	8	0.21
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	13	0.21
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	20	0.21
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	10	0.21
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	15	0.21
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	5	0.21
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	16	0.21
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	14	0.21
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	2	0.21
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	12	0.21
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	5	0.21
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	9	0.21
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	18	0.21
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	2	0.21
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	3	0.21
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	13	0.21
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	15	0.21
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	17	0.21
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	5	0.21
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	12	0.21
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	6	0.21
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	4	0.21
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	5	0.21
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	17	0.21
(1,3819)	1:51:C:VAL:CG1	1:79:A:GLU:CD	9	0.21
(1,3818)	1:92:C:SER:CA	1:95:C:VAL:CG2	13	0.21
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	6	0.21
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	8	0.21
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	5	0.21
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	17	0.21
(1,3633)	1:42:B:LEU:HA	1:98:C:ASN:HB3	12	0.21
(1,3626)	1:51:B:VAL:CG1	1:79:C:GLU:CD	9	0.21
(1,3625)	1:92:B:SER:CA	1:95:B:VAL:CG2	13	0.21
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	6	0.21
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	4	0.21
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	17	0.21
(1,3441)	1:42:A:LEU:HA	1:98:B:ASN:HB3	12	0.21
(1,3434)	1:51:A:VAL:CG1	1:79:B:GLU:CD	9	0.21
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	7	0.21
(1,3433)	1:92:A:SER:CA	1:95:A:VAL:CG2	13	0.21
(1,3371)	1:57:C:THR:CA	1:103:A:ILE:CA	12	0.21
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	4	0.21
(1,3290)	1:57:B:THR:CA	1:103:C:ILE:CA	12	0.21
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	4	0.21
(1,3209)	1:57:A:THR:CA	1:103:B:ILE:CA	12	0.21
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	4	0.21
(1,3127)	1:34:C:LYS:CG	1:91:C:GLY:CA	12	0.21
(1,2981)	1:27:C:LYS:CD	1:30:C:THR:CG2	8	0.21
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	8	0.21
(1,2954)	1:32:C:VAL:CG2	1:34:C:LYS:CA	4	0.21
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	8	0.21
(1,2896)	1:27:C:LYS:CD	1:30:C:THR:CA	13	0.21
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	20	0.21
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	14	0.21
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	8	0.21
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	11	0.21
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	12	0.21
(1,2432)	1:76:C:ARG:CD	1:77:C:VAL:CB	4	0.21
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	15	0.21
(1,2414)	1:69:C:LEU:C	1:71:C:ILE:CD1	19	0.21
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	5	0.21
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	10	0.21
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	17	0.21
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	20	0.21
(1,2240)	1:23:C:ASN:CA	1:27:C:LYS:CD	9	0.21
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	3	0.21
(1,2200)	1:53:C:LYS:CG	1:76:C:ARG:CD	8	0.21
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	9	0.21
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	15	0.21
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	17	0.21
(1,2070)	1:34:B:LYS:CG	1:91:B:GLY:CA	12	0.21
(1,1924)	1:27:B:LYS:CD	1:30:B:THR:CG2	8	0.21
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	8	0.21
(1,1897)	1:32:B:VAL:CG2	1:34:B:LYS:CA	4	0.21
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	8	0.21
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	20	0.21
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	8	0.21
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	11	0.21
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	12	0.21
(1,1375)	1:76:B:ARG:CD	1:77:B:VAL:CB	4	0.21
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	15	0.21
(1,1357)	1:69:B:LEU:C	1:71:B:ILE:CD1	19	0.21
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	5	0.21
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	10	0.21
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	17	0.21
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	20	0.21
(1,1183)	1:23:B:ASN:CA	1:27:B:LYS:CD	9	0.21
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	3	0.21
(1,1143)	1:53:B:LYS:CG	1:76:B:ARG:CD	8	0.21
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	9	0.21
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	15	0.21
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	17	0.21
(1,1013)	1:34:A:LYS:CG	1:91:A:GLY:CA	12	0.21
(1,867)	1:27:A:LYS:CD	1:30:A:THR:CG2	8	0.21
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	8	0.21
(1,840)	1:32:A:VAL:CG2	1:34:A:LYS:CA	4	0.21
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	8	0.21
(1,782)	1:27:A:LYS:CD	1:30:A:THR:CA	13	0.21
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	20	0.21
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	14	0.21
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	8	0.21
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	11	0.21
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	12	0.21
(1,318)	1:76:A:ARG:CD	1:77:A:VAL:CB	4	0.21
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	15	0.21
(1,300)	1:69:A:LEU:C	1:71:A:ILE:CD1	19	0.21
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	5	0.21
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	17	0.21
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	20	0.21
(1,126)	1:23:A:ASN:CA	1:27:A:LYS:CD	9	0.21
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	3	0.21
(1,86)	1:53:A:LYS:CG	1:76:A:ARG:CD	8	0.21
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	9	0.21
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	15	0.21
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	17	0.21
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	15	0.2
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	4	0.2
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	15	0.2
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	14	0.2
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	15	0.2
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	4	0.2
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	1	0.2
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	15	0.2
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	14	0.2
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	15	0.2
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	4	0.2
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	1	0.2
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	15	0.2
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	14	0.2
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	7	0.2
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	9	0.2
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	10	0.2
(2,348)	1:78:C:ASN:H	1:51:C:VAL:O	9	0.2
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	11	0.2
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	12	0.2
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	5	0.2
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	7	0.2
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	15	0.2
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	17	0.2
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	4	0.2
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	9	0.2
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	1	0.2
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	11	0.2
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	1	0.2
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	16	0.2
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	12	0.2
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	13	0.2
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	18	0.2
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	16	0.2
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	12	0.2
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	2	0.2
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	8	0.2
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	8	0.2
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	9	0.2
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	18	0.2
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	10	0.2
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	13	0.2
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	3	0.2
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	9	0.2
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	3	0.2
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	9	0.2
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	18	0.2
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	11	0.2
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	9	0.2
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	1	0.2
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	7	0.2
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	3	0.2
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	6	0.2
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	10	0.2
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	11	0.2
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	17	0.2
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	18	0.2
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	4	0.2
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	20	0.2
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	1	0.2
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	13	0.2
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	19	0.2
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	2	0.2
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	9	0.2
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	3	0.2
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	3	0.2
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	18	0.2
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	19	0.2
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	19	0.2
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	19	0.2
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	7	0.2
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	9	0.2
(2,226)	1:78:B:ASN:H	1:51:B:VAL:O	9	0.2
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	11	0.2
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	5	0.2
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	7	0.2
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	15	0.2
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	17	0.2
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	4	0.2
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	9	0.2
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	1	0.2
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	11	0.2
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	1	0.2
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	16	0.2
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	13	0.2
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	18	0.2
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	16	0.2
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	12	0.2
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	2	0.2
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	8	0.2
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	9	0.2
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	18	0.2
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	10	0.2
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	3	0.2
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	18	0.2
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	9	0.2
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	3	0.2
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	9	0.2
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	18	0.2
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	11	0.2
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	9	0.2
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	20	0.2
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	1	0.2
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	7	0.2
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	3	0.2
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	6	0.2
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	17	0.2
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	18	0.2
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	4	0.2
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	20	0.2
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	1	0.2
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	13	0.2
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	19	0.2
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	2	0.2
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	9	0.2
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	3	0.2
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	18	0.2
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	19	0.2
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	19	0.2
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	19	0.2
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	7	0.2
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	9	0.2
(2,104)	1:78:A:ASN:H	1:51:A:VAL:O	9	0.2
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	11	0.2
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	12	0.2
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	7	0.2
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	15	0.2
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	17	0.2
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	4	0.2
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	9	0.2
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	1	0.2
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	11	0.2
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	1	0.2
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	16	0.2
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	12	0.2
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	13	0.2
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	5	0.2
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	18	0.2
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	16	0.2
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	12	0.2
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	2	0.2
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	8	0.2
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	9	0.2
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	18	0.2
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	10	0.2
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	13	0.2
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	3	0.2
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	18	0.2
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	9	0.2
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	3	0.2
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	9	0.2
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	18	0.2
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	11	0.2
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	9	0.2
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	1	0.2
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	7	0.2
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	3	0.2
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	6	0.2
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	11	0.2
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	17	0.2
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	4	0.2
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	20	0.2
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	1	0.2
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	13	0.2
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	19	0.2
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	2	0.2
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	3	0.2
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	18	0.2
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	19	0.2
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	19	0.2
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	19	0.2
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	13	0.2
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	19	0.2
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	19	0.2
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	10	0.2
(1,3893)	1:24:C:ARG:CD	1:25:B:LEU:C	11	0.2
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	20	0.2
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	17	0.2
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	10	0.2
(1,3826)	1:42:C:LEU:HA	1:98:A:ASN:HB3	12	0.2
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	13	0.2
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	19	0.2
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	19	0.2
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	10	0.2
(1,3700)	1:24:B:ARG:CD	1:25:A:LEU:C	11	0.2
(1,3700)	1:24:B:ARG:CD	1:25:B:LEU:C	12	0.2
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	20	0.2
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	17	0.2
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	10	0.2
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	13	0.2
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	19	0.2
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	19	0.2
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	10	0.2
(1,3508)	1:24:A:ARG:CD	1:25:C:LEU:C	11	0.2
(1,3508)	1:24:A:ARG:CD	1:25:A:LEU:C	12	0.2
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	20	0.2
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	17	0.2
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	10	0.2
(1,3369)	1:63:C:TYR:CZ	1:96:A:MET:C	4	0.2
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	2	0.2
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	10	0.2
(1,3288)	1:63:B:TYR:CZ	1:96:C:MET:C	4	0.2
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	2	0.2
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	10	0.2
(1,3207)	1:63:A:TYR:CZ	1:96:B:MET:C	4	0.2
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	2	0.2
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	10	0.2
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:27:C:LYS:CG	1:31:C:ARG:CA	9	0.2
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	5	0.2
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	19	0.2
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	2	0.2
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	15	0.2
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	6	0.2
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	7	0.2
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	10	0.2
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	8	0.2
(1,2402)	1:102:C:ASN:CB	1:104:C:GLU:CD	19	0.2
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	15	0.2
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	17	0.2
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG22	17	0.2
(1,2187)	1:84:C:LYS:H	1:99:C:ALA:HB1	12	0.2
(1,2163)	1:70:C:ALA:HB3	1:89:C:TYR:HB2	3	0.2
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	2	0.2
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	20	0.2
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	3	0.2
(1,1887)	1:27:B:LYS:CG	1:31:B:ARG:CA	9	0.2
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	5	0.2
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	19	0.2
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	2	0.2
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	15	0.2
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	6	0.2
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	7	0.2
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	10	0.2
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	8	0.2
(1,1345)	1:102:B:ASN:CB	1:104:B:GLU:CD	19	0.2
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	15	0.2
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	17	0.2
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG22	17	0.2
(1,1130)	1:84:B:LYS:H	1:99:B:ALA:HB1	12	0.2
(1,1106)	1:70:B:ALA:HB3	1:89:B:TYR:HB2	3	0.2
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	20	0.2
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	3	0.2
(1,830)	1:27:A:LYS:CG	1:31:A:ARG:CA	9	0.2
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	5	0.2
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	19	0.2
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	2	0.2
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	15	0.2
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	6	0.2
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	10	0.2
(1,288)	1:102:A:ASN:CB	1:104:A:GLU:CD	19	0.2
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	15	0.2
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	17	0.2
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG22	17	0.2
(1,73)	1:84:A:LYS:H	1:99:A:ALA:HB1	12	0.2
(1,49)	1:70:A:ALA:HB3	1:89:A:TYR:HB2	3	0.2
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	2	0.2
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	20	0.2
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	3	0.19
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	20	0.19
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	17	0.19
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	5	0.19
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	11	0.19
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	5	0.19
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	3	0.19
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	20	0.19
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	17	0.19
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	5	0.19
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	11	0.19
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	5	0.19
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	3	0.19
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	20	0.19
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	17	0.19
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	5	0.19
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	11	0.19
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	5	0.19
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	1	0.19
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	9	0.19
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	3	0.19
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	16	0.19
(2,358)	1:41:C:ALA:H	1:37:C:ALA:O	3	0.19
(2,355)	1:88:C:ALA:N	1:96:C:MET:O	9	0.19
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	11	0.19
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	17	0.19
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	7	0.19
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	1	0.19
(2,336)	1:102:C:ASN:H	1:82:C:ALA:O	7	0.19
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	11	0.19
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	10	0.19
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	16	0.19
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	14	0.19
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	8	0.19
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	15	0.19
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	6	0.19
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	12	0.19
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	3	0.19
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	19	0.19
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	20	0.19
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	4	0.19
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	18	0.19
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	8	0.19
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	15	0.19
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	5	0.19
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	20	0.19
(2,306)	1:86:C:GLY:H	1:98:C:ASN:O	9	0.19
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	20	0.19
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	14	0.19
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	19	0.19
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	11	0.19
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	18	0.19
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	20	0.19
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	7	0.19
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	3	0.19
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	3	0.19
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	19	0.19
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	9	0.19
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	7	0.19
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	14	0.19
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	4	0.19
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	16	0.19
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	5	0.19
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	17	0.19
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	12	0.19
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	18	0.19
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	7	0.19
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	8	0.19
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	7	0.19
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	11	0.19
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	9	0.19
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	14	0.19
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	11	0.19
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	15	0.19
(2,248)	1:30:C:THR:H	1:26:C:ASP:O	18	0.19
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	10	0.19
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	1	0.19
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	9	0.19
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	3	0.19
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	16	0.19
(2,236)	1:41:B:ALA:H	1:37:B:ALA:O	3	0.19
(2,233)	1:88:B:ALA:N	1:96:B:MET:O	9	0.19
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	11	0.19
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	20	0.19
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	17	0.19
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	7	0.19
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	12	0.19
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	1	0.19
(2,214)	1:102:B:ASN:H	1:82:B:ALA:O	7	0.19
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	11	0.19
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	10	0.19
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	16	0.19
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	11	0.19
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	5	0.19
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	14	0.19
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	8	0.19
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	15	0.19
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	6	0.19
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	12	0.19
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	3	0.19
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	19	0.19
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	20	0.19
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	4	0.19
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	18	0.19
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	8	0.19
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	15	0.19
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	5	0.19
(2,184)	1:86:B:GLY:H	1:98:B:ASN:O	9	0.19
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	13	0.19
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	20	0.19
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	14	0.19
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	19	0.19
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	11	0.19
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	18	0.19
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	7	0.19
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	3	0.19
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	3	0.19
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	19	0.19
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	9	0.19
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	7	0.19
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	14	0.19
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	4	0.19
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	10	0.19
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	11	0.19
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	16	0.19
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	5	0.19
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	17	0.19
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	12	0.19
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	18	0.19
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	7	0.19
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	8	0.19
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	7	0.19
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	11	0.19
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	3	0.19
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	9	0.19
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	14	0.19
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	11	0.19
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	5	0.19
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	15	0.19
(2,126)	1:30:B:THR:H	1:26:B:ASP:O	18	0.19
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	10	0.19
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	1	0.19
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	9	0.19
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	3	0.19
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	16	0.19
(2,114)	1:41:A:ALA:H	1:37:A:ALA:O	3	0.19
(2,111)	1:88:A:ALA:N	1:96:A:MET:O	9	0.19
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	11	0.19
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	17	0.19
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	7	0.19
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	1	0.19
(2,92)	1:102:A:ASN:H	1:82:A:ALA:O	7	0.19
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	11	0.19
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	10	0.19
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	16	0.19
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	5	0.19
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	14	0.19
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	8	0.19
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	15	0.19
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	6	0.19
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	12	0.19
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	2	0.19
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	3	0.19
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	19	0.19
(2,78)	1:21:A:LEU:H	1:17:A:LYS:O	20	0.19
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	4	0.19
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	18	0.19
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	8	0.19
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	15	0.19
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	5	0.19
(2,62)	1:86:A:GLY:H	1:98:A:ASN:O	9	0.19
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	20	0.19
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	14	0.19
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	19	0.19
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	11	0.19
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	18	0.19
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	20	0.19
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	7	0.19
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	3	0.19
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	3	0.19
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	19	0.19
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	9	0.19
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	7	0.19
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	14	0.19
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	4	0.19
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	10	0.19
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	18	0.19
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	16	0.19
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	5	0.19
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	17	0.19
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	12	0.19
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	18	0.19
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	7	0.19
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	8	0.19
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	7	0.19
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	11	0.19
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	9	0.19
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	14	0.19
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	11	0.19
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	5	0.19
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	15	0.19
(2,4)	1:30:A:THR:H	1:26:A:ASP:O	18	0.19
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	10	0.19
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	5	0.19
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	2	0.19
(1,3936)	1:64:C:ARG:C	1:94:A:ASP:CB	6	0.19
(1,3935)	1:45:C:LEU:CA	1:58:C:ALA:CB	11	0.19
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	4	0.19
(1,3893)	1:24:C:ARG:CD	1:25:C:LEU:C	12	0.19
(1,3840)	1:48:C:PRO:CD	1:80:A:SER:CA	17	0.19
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	10	0.19
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	8	0.19
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	19	0.19
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	5	0.19
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	2	0.19
(1,3743)	1:64:B:ARG:C	1:94:C:ASP:CB	6	0.19
(1,3742)	1:45:B:LEU:CA	1:58:B:ALA:CB	11	0.19
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	4	0.19
(1,3647)	1:48:B:PRO:CD	1:80:C:SER:CA	17	0.19
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	10	0.19
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	8	0.19
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	19	0.19
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	5	0.19
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	2	0.19
(1,3551)	1:64:A:ARG:C	1:94:B:ASP:CB	6	0.19
(1,3550)	1:45:A:LEU:CA	1:58:A:ALA:CB	11	0.19
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	4	0.19
(1,3455)	1:48:A:PRO:CD	1:80:B:SER:CA	17	0.19
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	10	0.19
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	8	0.19
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	19	0.19
(1,3411)	1:48:C:PRO:CA	1:104:A:GLU:CA	17	0.19
(1,3409)	1:29:C:ASP:CB	1:31:A:ARG:CD	13	0.19
(1,3353)	1:55:C:ASN:CA	1:103:A:ILE:C	7	0.19
(1,3330)	1:48:B:PRO:CA	1:104:C:GLU:CA	17	0.19
(1,3328)	1:29:B:ASP:CB	1:31:C:ARG:CD	13	0.19
(1,3272)	1:55:B:ASN:CA	1:103:C:ILE:C	7	0.19
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3249)	1:48:A:PRO:CA	1:104:B:GLU:CA	17	0.19
(1,3247)	1:29:A:ASP:CB	1:31:B:ARG:CD	13	0.19
(1,3191)	1:55:A:ASN:CA	1:103:B:ILE:C	7	0.19
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	18	0.19
(1,3018)	1:64:C:ARG:CD	1:66:C:SER:CB	12	0.19
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	9	0.19
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	2	0.19
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	10	0.19
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	5	0.19
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	4	0.19
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	15	0.19
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	7	0.19
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	9	0.19
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	10	0.19
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	16	0.19
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	18	0.19
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	2	0.19
(1,2203)	1:28:C:LEU:HB3	1:30:C:THR:H	2	0.19
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	12	0.19
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB3	11	0.19
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	14	0.19
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	16	0.19
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	17	0.19
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	7	0.19
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	15	0.19
(1,2117)	1:41:C:ALA:CB	1:43:C:ASN:CA	18	0.19
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	18	0.19
(1,1961)	1:64:B:ARG:CD	1:66:B:SER:CB	12	0.19
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	9	0.19
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	2	0.19
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	10	0.19
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	5	0.19
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	15	0.19
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	7	0.19
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	9	0.19
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	10	0.19
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	16	0.19
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	17	0.19
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	18	0.19
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	2	0.19
(1,1146)	1:28:B:LEU:HB3	1:30:B:THR:H	2	0.19
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB3	11	0.19
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	2	0.19
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	14	0.19
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	16	0.19
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	17	0.19
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	7	0.19
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	15	0.19
(1,1060)	1:41:B:ALA:CB	1:43:B:ASN:CA	18	0.19
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	18	0.19
(1,904)	1:64:A:ARG:CD	1:66:A:SER:CB	12	0.19
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	9	0.19
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	2	0.19
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	10	0.19
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	5	0.19
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	4	0.19
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	20	0.19
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	15	0.19
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	8	0.19
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	7	0.19
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	9	0.19
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	10	0.19
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	16	0.19
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	17	0.19
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	18	0.19
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	2	0.19
(1,89)	1:28:A:LEU:HB3	1:30:A:THR:H	2	0.19
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	12	0.19
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB3	11	0.19
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	14	0.19
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	16	0.19
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	17	0.19
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	7	0.19
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	15	0.19
(1,3)	1:41:A:ALA:CB	1:43:A:ASN:CA	18	0.19
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	5	0.18
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	10	0.18
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	14	0.18
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	17	0.18
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	16	0.18
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	14	0.18
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	7	0.18
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	14	0.18
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	8	0.18
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	11	0.18
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	15	0.18
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	5	0.18
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	9	0.18
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	10	0.18
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	14	0.18
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	17	0.18
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	16	0.18
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	14	0.18
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	7	0.18
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	19	0.18
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	14	0.18
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	8	0.18
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	11	0.18
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	15	0.18
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	5	0.18
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	10	0.18
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	14	0.18
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	17	0.18
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	16	0.18
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	14	0.18
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	7	0.18
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	19	0.18
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	14	0.18
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	8	0.18
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	11	0.18
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	15	0.18
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	4	0.18
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	3	0.18
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	19	0.18
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	20	0.18
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	6	0.18
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	14	0.18
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	7	0.18
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	20	0.18
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	19	0.18
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	20	0.18
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	4	0.18
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	15	0.18
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	6	0.18
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	11	0.18
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	16	0.18
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	5	0.18
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	12	0.18
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	15	0.18
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	13	0.18
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	4	0.18
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	1	0.18
(2,322)	1:21:C:LEU:H	1:17:C:LYS:O	2	0.18
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	15	0.18
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	4	0.18
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	16	0.18
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	6	0.18
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	10	0.18
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	18	0.18
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	3	0.18
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	12	0.18
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	16	0.18
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	1	0.18
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	2	0.18
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	3	0.18
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	1	0.18
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	10	0.18
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	20	0.18
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	5	0.18
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	3	0.18
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	5	0.18
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	15	0.18
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	8	0.18
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	1	0.18
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	2	0.18
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	18	0.18
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	19	0.18
(2,287)	1:69:C:LEU:N	1:89:C:TYR:O	6	0.18
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	14	0.18
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	11	0.18
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	19	0.18
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	13	0.18
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	16	0.18
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	15	0.18
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	15	0.18
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	9	0.18
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	19	0.18
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	13	0.18
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	18	0.18
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	14	0.18
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	6	0.18
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	13	0.18
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	18	0.18
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	3	0.18
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	1	0.18
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	10	0.18
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	16	0.18
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	1	0.18
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	7	0.18
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	20	0.18
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	11	0.18
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	4	0.18
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	3	0.18
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	19	0.18
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	20	0.18
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	6	0.18
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	14	0.18
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	7	0.18
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	19	0.18
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	20	0.18
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	4	0.18
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	15	0.18
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	11	0.18
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	6	0.18
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	16	0.18
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	5	0.18
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	12	0.18
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	15	0.18
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	13	0.18
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	4	0.18
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	1	0.18
(2,200)	1:21:B:LEU:H	1:17:B:LYS:O	2	0.18
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	15	0.18
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	4	0.18
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	16	0.18
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	10	0.18
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	18	0.18
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	20	0.18
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	3	0.18
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	12	0.18
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	16	0.18
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	1	0.18
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	2	0.18
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	3	0.18
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	1	0.18
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	10	0.18
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	20	0.18
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	5	0.18
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	3	0.18
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	5	0.18
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	15	0.18
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	8	0.18
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	1	0.18
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	2	0.18
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	18	0.18
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	19	0.18
(2,165)	1:69:B:LEU:N	1:89:B:TYR:O	6	0.18
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	14	0.18
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	11	0.18
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	19	0.18
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	13	0.18
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	16	0.18
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	15	0.18
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	17	0.18
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	15	0.18
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	9	0.18
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	19	0.18
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	13	0.18
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	18	0.18
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	14	0.18
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	6	0.18
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	13	0.18
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	18	0.18
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	3	0.18
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	1	0.18
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	10	0.18
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	1	0.18
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	8	0.18
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	7	0.18
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	20	0.18
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	11	0.18
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	4	0.18
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	3	0.18
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	19	0.18
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	20	0.18
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	6	0.18
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	14	0.18
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	7	0.18
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	20	0.18
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	19	0.18
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	20	0.18
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	4	0.18
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	15	0.18
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	11	0.18
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	6	0.18
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	16	0.18
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	5	0.18
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	12	0.18
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	13	0.18
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	4	0.18
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	1	0.18
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	15	0.18
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	4	0.18
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	16	0.18
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	6	0.18
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	10	0.18
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	18	0.18
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	20	0.18
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	3	0.18
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	12	0.18
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	16	0.18
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	1	0.18
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	2	0.18
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	3	0.18
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	1	0.18
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	10	0.18
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	5	0.18
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	7	0.18
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	5	0.18
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	15	0.18
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	8	0.18
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	1	0.18
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	2	0.18
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	18	0.18
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	19	0.18
(2,43)	1:69:A:LEU:N	1:89:A:TYR:O	6	0.18
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	14	0.18
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	11	0.18
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	19	0.18
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	13	0.18
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	16	0.18
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	15	0.18
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	17	0.18
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	15	0.18
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	9	0.18
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	19	0.18
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	13	0.18
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	18	0.18
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	14	0.18
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	6	0.18
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	13	0.18
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	18	0.18
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	3	0.18
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	1	0.18
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	10	0.18
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	16	0.18
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	1	0.18
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	8	0.18
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	7	0.18
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	20	0.18
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	11	0.18
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	16	0.18
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	7	0.18
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	8	0.18
(1,3912)	1:30:C:THR:CB	1:32:C:VAL:CG1	9	0.18
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	1	0.18
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	2	0.18
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	7	0.18
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	18	0.18
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	16	0.18
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	7	0.18
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	8	0.18
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	1	0.18
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	2	0.18
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	7	0.18
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	13	0.18
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	18	0.18
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	16	0.18
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	7	0.18
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	8	0.18
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	1	0.18
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	2	0.18
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	7	0.18
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	13	0.18
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	18	0.18
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	15	0.18
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	12	0.18
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	15	0.18
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	15	0.18
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	12	0.18
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	4	0.18
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	11	0.18
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	7	0.18
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	14	0.18
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	6	0.18
(1,2795)	1:33:C:ASP:CG	1:34:C:LYS:CG	1	0.18
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	7	0.18
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	20	0.18
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	8	0.18
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	14	0.18
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	11	0.18
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	10	0.18
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	8	0.18
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	17	0.18
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	18	0.18
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	12	0.18
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	7	0.18
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	11	0.18
(1,2218)	1:87:C:VAL:HA	1:96:C:MET:HG2	2	0.18
(1,2203)	1:28:C:LEU:HB2	1:30:C:THR:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG22	15	0.18
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	15	0.18
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	18	0.18
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	12	0.18
(1,2140)	1:85:C:ALA:C	1:97:C:TYR:CB	9	0.18
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	4	0.18
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	11	0.18
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	7	0.18
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	14	0.18
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	6	0.18
(1,1738)	1:33:B:ASP:CG	1:34:B:LYS:CG	1	0.18
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	4	0.18
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	7	0.18
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	20	0.18
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	8	0.18
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	14	0.18
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	11	0.18
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	10	0.18
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	18	0.18
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	12	0.18
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	7	0.18
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	11	0.18
(1,1161)	1:87:B:VAL:HA	1:96:B:MET:HG2	2	0.18
(1,1146)	1:28:B:LEU:HB2	1:30:B:THR:H	18	0.18
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG22	15	0.18
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	15	0.18
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	18	0.18
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	12	0.18
(1,1083)	1:85:B:ALA:C	1:97:B:TYR:CB	9	0.18
(1,951)	1:20:A:GLN:CD	1:22:A:ASP:CA	5	0.18
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	4	0.18
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	11	0.18
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	7	0.18
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	14	0.18
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	6	0.18
(1,681)	1:33:A:ASP:CG	1:34:A:LYS:CG	1	0.18
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	7	0.18
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	8	0.18
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	11	0.18
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	10	0.18
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	18	0.18
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	7	0.18
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	11	0.18
(1,104)	1:87:A:VAL:HA	1:96:A:MET:HG2	2	0.18
(1,89)	1:28:A:LEU:HB2	1:30:A:THR:H	18	0.18
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG22	15	0.18
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	15	0.18
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	18	0.18
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	12	0.18
(1,26)	1:85:A:ALA:C	1:97:A:TYR:CB	9	0.18
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	1	0.17
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	9	0.17
(2,425)	1:101:A:PHE:N	1:58:C:ALA:O	4	0.17
(2,425)	1:101:A:PHE:N	1:58:C:ALA:O	12	0.17
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	2	0.17
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	10	0.17
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	18	0.17
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	1	0.17
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	15	0.17
(2,418)	1:99:A:ALA:H	1:60:C:VAL:O	17	0.17
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	8	0.17
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	9	0.17
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	19	0.17
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	10	0.17
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	4	0.17
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	1	0.17
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	3	0.17
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	2	0.17
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	1	0.17
(2,405)	1:101:C:PHE:N	1:58:B:ALA:O	4	0.17
(2,405)	1:101:C:PHE:N	1:58:B:ALA:O	12	0.17
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	2	0.17
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	10	0.17
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	12	0.17
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	18	0.17
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	1	0.17
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	15	0.17
(2,398)	1:99:C:ALA:H	1:60:B:VAL:O	17	0.17
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	8	0.17
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	9	0.17
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	19	0.17
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	10	0.17
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	1	0.17
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	3	0.17
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	2	0.17
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	1	0.17
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	9	0.17
(2,385)	1:101:B:PHE:N	1:58:A:ALA:O	4	0.17
(2,385)	1:101:B:PHE:N	1:58:A:ALA:O	12	0.17
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	2	0.17
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	10	0.17
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	12	0.17
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	18	0.17
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	1	0.17
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	15	0.17
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	8	0.17
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	9	0.17
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	19	0.17
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	10	0.17
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	4	0.17
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	1	0.17
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	3	0.17
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	2	0.17
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	19	0.17
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	8	0.17
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	9	0.17
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	14	0.17
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	1	0.17
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	13	0.17
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	6	0.17
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	20	0.17
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	5	0.17
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	17	0.17
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	14	0.17
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	6	0.17
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	4	0.17
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	18	0.17
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	3	0.17
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	4	0.17
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	20	0.17
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	6	0.17
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	1	0.17
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	5	0.17
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	7	0.17
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	17	0.17
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	6	0.17
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	10	0.17
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	16	0.17
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	10	0.17
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	6	0.17
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	7	0.17
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	13	0.17
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	16	0.17
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	14	0.17
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	3	0.17
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	4	0.17
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	3	0.17
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	13	0.17
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	19	0.17
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	6	0.17
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	19	0.17
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	1	0.17
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	9	0.17
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	9	0.17
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	8	0.17
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	12	0.17
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	1	0.17
(2,264)	1:70:C:ALA:H	1:59:C:GLY:O	8	0.17
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	14	0.17
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	20	0.17
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	13	0.17
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	7	0.17
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	20	0.17
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	6	0.17
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	7	0.17
(2,250)	1:27:C:LYS:H	1:23:C:ASN:O	2	0.17
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	8	0.17
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	12	0.17
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	1	0.17
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	3	0.17
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	13	0.17
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	19	0.17
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	8	0.17
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	9	0.17
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	1	0.17
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	13	0.17
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	6	0.17
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	20	0.17
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	5	0.17
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	14	0.17
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	6	0.17
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	4	0.17
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	18	0.17
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	3	0.17
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	4	0.17
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	20	0.17
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	6	0.17
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	1	0.17
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	5	0.17
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	3	0.17
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	7	0.17
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	17	0.17
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	6	0.17
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	10	0.17
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	16	0.17
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	10	0.17
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	6	0.17
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	7	0.17
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	13	0.17
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	16	0.17
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	14	0.17
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	3	0.17
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	4	0.17
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	3	0.17
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	13	0.17
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	19	0.17
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	6	0.17
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	19	0.17
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	9	0.17
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	9	0.17
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	8	0.17
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	12	0.17
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	1	0.17
(2,142)	1:70:B:ALA:H	1:59:B:GLY:O	8	0.17
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	14	0.17
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	13	0.17
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	7	0.17
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	20	0.17
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	6	0.17
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	7	0.17
(2,128)	1:27:B:LYS:H	1:23:B:ASN:O	2	0.17
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	12	0.17
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	1	0.17
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	3	0.17
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	13	0.17
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	19	0.17
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	8	0.17
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	9	0.17
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	14	0.17
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	1	0.17
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	13	0.17
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	6	0.17
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	20	0.17
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	5	0.17
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	14	0.17
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	6	0.17
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	4	0.17
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	18	0.17
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	3	0.17
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	4	0.17
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	20	0.17
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	15	0.17
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	1	0.17
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	5	0.17
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	3	0.17
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	7	0.17
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	17	0.17
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	6	0.17
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	10	0.17
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	16	0.17
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	10	0.17
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	6	0.17
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	20	0.17
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	13	0.17
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	16	0.17
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	14	0.17
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	4	0.17
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	3	0.17
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	13	0.17
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	19	0.17
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	6	0.17
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	19	0.17
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	1	0.17
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	9	0.17
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	9	0.17
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	8	0.17
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	12	0.17
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	1	0.17
(2,20)	1:70:A:ALA:H	1:59:A:GLY:O	8	0.17
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	14	0.17
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	20	0.17
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	13	0.17
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	7	0.17
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	20	0.17
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	6	0.17
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	7	0.17
(2,6)	1:27:A:LYS:H	1:23:A:ASN:O	2	0.17
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	12	0.17
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	1	0.17
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	3	0.17
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	13	0.17
(1,3979)	1:40:C:ALA:CA	1:42:A:LEU:CD1	15	0.17
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	13	0.17
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	14	0.17
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	9	0.17
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	15	0.17
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	20	0.17
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	1	0.17
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	10	0.17
(1,3786)	1:40:B:ALA:CA	1:42:C:LEU:CD1	15	0.17
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	13	0.17
(1,3719)	1:30:B:THR:CB	1:32:B:VAL:CG1	9	0.17
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	14	0.17
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	9	0.17
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	15	0.17
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	20	0.17
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	1	0.17
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3593)	1:40:A:ALA:CA	1:42:B:LEU:CD1	15	0.17
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	13	0.17
(1,3527)	1:30:A:THR:CB	1:32:A:VAL:CG1	9	0.17
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	14	0.17
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	9	0.17
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	15	0.17
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	20	0.17
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	1	0.17
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	10	0.17
(1,3410)	1:48:C:PRO:CA	1:103:A:ILE:C	17	0.17
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	18	0.17
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	20	0.17
(1,3329)	1:48:B:PRO:CA	1:103:C:ILE:C	17	0.17
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	18	0.17
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	20	0.17
(1,3253)	1:62:B:GLY:C	1:95:C:VAL:CA	19	0.17
(1,3248)	1:48:A:PRO:CA	1:103:B:ILE:C	17	0.17
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	18	0.17
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	20	0.17
(1,3172)	1:62:A:GLY:C	1:95:B:VAL:CA	19	0.17
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	8	0.17
(1,3065)	1:20:C:GLN:CD	1:22:C:ASP:CA	5	0.17
(1,3059)	1:24:C:ARG:CD	1:27:C:LYS:CD	12	0.17
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	9	0.17
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	10	0.17
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	6	0.17
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	3	0.17
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	13	0.17
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	16	0.17
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	8	0.17
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	4	0.17
(1,2491)	1:88:C:ALA:CA	1:97:C:TYR:CA	8	0.17
(1,2476)	1:90:C:ALA:CA	1:95:C:VAL:CG2	8	0.17
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	3	0.17
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	20	0.17
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	20	0.17
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG22	16	0.17
(1,2192)	1:36:C:LEU:C	1:62:C:GLY:C	20	0.17
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	19	0.17
(1,2119)	1:18:C:PHE:CB	1:20:C:GLN:CG	18	0.17
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	8	0.17
(1,2008)	1:20:B:GLN:CD	1:22:B:ASP:CA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:24:B:ARG:CD	1:27:B:LYS:CD	12	0.17
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	9	0.17
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	10	0.17
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	6	0.17
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	3	0.17
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	13	0.17
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	16	0.17
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	4	0.17
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	8	0.17
(1,1434)	1:88:B:ALA:CA	1:97:B:TYR:CA	8	0.17
(1,1419)	1:90:B:ALA:CA	1:95:B:VAL:CG2	8	0.17
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	3	0.17
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	20	0.17
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	20	0.17
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG22	16	0.17
(1,1135)	1:36:B:LEU:C	1:62:B:GLY:C	20	0.17
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	19	0.17
(1,1062)	1:18:B:PHE:CB	1:20:B:GLN:CG	18	0.17
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	8	0.17
(1,945)	1:24:A:ARG:CD	1:27:A:LYS:CD	12	0.17
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	9	0.17
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	10	0.17
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	6	0.17
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	3	0.17
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	13	0.17
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	16	0.17
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	14	0.17
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	8	0.17
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	8	0.17
(1,377)	1:88:A:ALA:CA	1:97:A:TYR:CA	8	0.17
(1,362)	1:90:A:ALA:CA	1:95:A:VAL:CG2	8	0.17
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	3	0.17
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	20	0.17
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	18	0.17
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	20	0.17
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG22	16	0.17
(1,78)	1:36:A:LEU:C	1:62:A:GLY:C	20	0.17
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	19	0.17
(1,5)	1:18:A:PHE:CB	1:20:A:GLN:CG	18	0.17
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	12	0.16
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	18	0.16
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	9	0.16
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	18	0.16
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	10	0.16
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	9	0.16
(2,378)	1:99:B:ALA:H	1:60:A:VAL:O	17	0.16
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	18	0.16
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	10	0.16
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	9	0.16
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	14	0.16
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	19	0.16
(2,357)	1:41:C:ALA:N	1:37:C:ALA:O	2	0.16
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	13	0.16
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	11	0.16
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	9	0.16
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	19	0.16
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	15	0.16
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	16	0.16
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	2	0.16
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	3	0.16
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	3	0.16
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	2	0.16
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	5	0.16
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	2	0.16
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	4	0.16
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	14	0.16
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	9	0.16
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	4	0.16
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	1	0.16
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	19	0.16
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	4	0.16
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	8	0.16
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	17	0.16
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	17	0.16
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	12	0.16
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	18	0.16
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	20	0.16
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	18	0.16
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	10	0.16
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	7	0.16
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	19	0.16
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	8	0.16
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	6	0.16
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	14	0.16
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	16	0.16
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	20	0.16
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	4	0.16
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	17	0.16
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	3	0.16
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	9	0.16
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	4	0.16
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	18	0.16
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	19	0.16
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	6	0.16
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	16	0.16
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	6	0.16
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	10	0.16
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	18	0.16
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	14	0.16
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	19	0.16
(2,235)	1:41:B:ALA:N	1:37:B:ALA:O	2	0.16
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	13	0.16
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	11	0.16
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	9	0.16
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	19	0.16
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	9	0.16
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	15	0.16
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	17	0.16
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	16	0.16
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	2	0.16
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	3	0.16
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	3	0.16
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	2	0.16
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	5	0.16
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	4	0.16
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	14	0.16
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	9	0.16
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	4	0.16
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	1	0.16
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	19	0.16
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	4	0.16
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	8	0.16
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	17	0.16
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	12	0.16
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	18	0.16
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	20	0.16
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	18	0.16
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	10	0.16
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	7	0.16
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	19	0.16
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	8	0.16
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	1	0.16
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	8	0.16
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	6	0.16
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	14	0.16
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	16	0.16
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	20	0.16
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	4	0.16
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	17	0.16
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	3	0.16
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	9	0.16
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	4	0.16
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	18	0.16
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	19	0.16
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	6	0.16
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	16	0.16
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	6	0.16
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	10	0.16
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	18	0.16
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	14	0.16
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	19	0.16
(2,113)	1:41:A:ALA:N	1:37:A:ALA:O	2	0.16
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	13	0.16
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	11	0.16
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	9	0.16
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	19	0.16
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	15	0.16
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	17	0.16
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	16	0.16
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	2	0.16
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	3	0.16
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	3	0.16
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	2	0.16
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	5	0.16
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	4	0.16
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	14	0.16
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	9	0.16
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	4	0.16
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	19	0.16
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	4	0.16
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	8	0.16
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	17	0.16
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	17	0.16
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	12	0.16
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	18	0.16
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	20	0.16
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	18	0.16
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	10	0.16
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	7	0.16
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	19	0.16
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	8	0.16
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	8	0.16
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	6	0.16
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	14	0.16
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	16	0.16
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	20	0.16
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	4	0.16
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	17	0.16
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	3	0.16
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	9	0.16
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	4	0.16
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	18	0.16
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	6	0.16
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	16	0.16
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	6	0.16
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	10	0.16
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	18	0.16
(1,3951)	1:48:C:PRO:CD	1:50:A:GLY:CA	16	0.16
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	15	0.16
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	7	0.16
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	11	0.16
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	20	0.16
(1,3758)	1:48:B:PRO:CD	1:50:C:GLY:CA	16	0.16
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	15	0.16
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	7	0.16
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	20	0.16
(1,3565)	1:48:A:PRO:CD	1:50:B:GLY:CA	16	0.16
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	15	0.16
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	7	0.16
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	11	0.16
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	20	0.16
(1,3412)	1:31:C:ARG:CD	1:33:B:ASP:CG	4	0.16
(1,3362)	1:55:C:ASN:C	1:104:A:GLU:CD	20	0.16
(1,3334)	1:62:C:GLY:C	1:95:A:VAL:CA	19	0.16
(1,3331)	1:31:B:ARG:CD	1:33:A:ASP:CG	4	0.16
(1,3281)	1:55:B:ASN:C	1:104:C:GLU:CD	20	0.16
(1,3250)	1:31:A:ARG:CD	1:33:C:ASP:CG	4	0.16
(1,3200)	1:55:A:ASN:C	1:104:B:GLU:CD	20	0.16
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	7	0.16
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	1	0.16
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	3	0.16
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	13	0.16
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	6	0.16
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	8	0.16
(1,2844)	1:33:C:ASP:CG	1:66:C:SER:C	13	0.16
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	7	0.16
(1,2722)	1:101:C:PHE:CE2	1:102:C:ASN:C	4	0.16
(1,2722)	1:101:C:PHE:CE2	1:102:C:ASN:C	18	0.16
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	6	0.16
(1,2554)	1:67:C:GLN:CB	1:69:C:LEU:CB	11	0.16
(1,2504)	1:59:C:GLY:CA	1:69:C:LEU:CD1	10	0.16
(1,2504)	1:59:C:GLY:CA	1:69:C:LEU:CD1	14	0.16
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	20	0.16
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	5	0.16
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	9	0.16
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	12	0.16
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	18	0.16
(1,2253)	1:45:C:LEU:H	1:57:C:THR:HG23	11	0.16
(1,2214)	1:89:C:TYR:CA	1:95:C:VAL:CA	9	0.16
(1,2195)	1:92:C:SER:HB3	1:95:C:VAL:HG22	19	0.16
(1,2188)	1:41:C:ALA:CB	1:42:C:LEU:CD1	12	0.16
(1,2153)	1:62:C:GLY:H	1:68:C:ALA:HB2	12	0.16
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	7	0.16
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	1	0.16
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	3	0.16
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	13	0.16
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	8	0.16
(1,1787)	1:33:B:ASP:CG	1:66:B:SER:C	13	0.16
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	7	0.16
(1,1665)	1:101:B:PHE:CE2	1:102:B:ASN:C	4	0.16
(1,1665)	1:101:B:PHE:CE2	1:102:B:ASN:C	18	0.16
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	6	0.16
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	8	0.16
(1,1497)	1:67:B:GLN:CB	1:69:B:LEU:CB	11	0.16
(1,1447)	1:59:B:GLY:CA	1:69:B:LEU:CD1	10	0.16
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	20	0.16
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	5	0.16
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	9	0.16
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	12	0.16
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	18	0.16
(1,1196)	1:45:B:LEU:H	1:57:B:THR:HG23	11	0.16
(1,1157)	1:89:B:TYR:CA	1:95:B:VAL:CA	9	0.16
(1,1138)	1:92:B:SER:HB3	1:95:B:VAL:HG22	19	0.16
(1,1131)	1:41:B:ALA:CB	1:42:B:LEU:CD1	12	0.16
(1,1096)	1:62:B:GLY:H	1:68:B:ALA:HB2	12	0.16
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	7	0.16
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	1	0.16
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	3	0.16
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	13	0.16
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	6	0.16
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	8	0.16
(1,730)	1:33:A:ASP:CG	1:66:A:SER:C	13	0.16
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	7	0.16
(1,608)	1:101:A:PHE:CE2	1:102:A:ASN:C	4	0.16
(1,608)	1:101:A:PHE:CE2	1:102:A:ASN:C	18	0.16
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	6	0.16
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	2	0.16
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	4	0.16
(1,440)	1:67:A:GLN:CB	1:69:A:LEU:CB	11	0.16
(1,390)	1:59:A:GLY:CA	1:69:A:LEU:CD1	10	0.16
(1,390)	1:59:A:GLY:CA	1:69:A:LEU:CD1	14	0.16
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	20	0.16
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	5	0.16
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	9	0.16
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	12	0.16
(1,139)	1:45:A:LEU:H	1:57:A:THR:HG23	11	0.16
(1,100)	1:89:A:TYR:CA	1:95:A:VAL:CA	9	0.16
(1,81)	1:92:A:SER:HB3	1:95:A:VAL:HG22	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:41:A:ALA:CB	1:42:A:LEU:CD1	12	0.16
(1,39)	1:62:A:GLY:H	1:68:A:ALA:HB2	12	0.16
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	6	0.15
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	11	0.15
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	16	0.15
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	11	0.15
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	15	0.15
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	16	0.15
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	18	0.15
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	1	0.15
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	2	0.15
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	3	0.15
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	5	0.15
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	6	0.15
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	6	0.15
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	11	0.15
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	16	0.15
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	11	0.15
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	15	0.15
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	16	0.15
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	18	0.15
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	1	0.15
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	2	0.15
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	3	0.15
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	5	0.15
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	6	0.15
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	6	0.15
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	11	0.15
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	16	0.15
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	11	0.15
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	15	0.15
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	16	0.15
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	18	0.15
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	1	0.15
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	2	0.15
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	3	0.15
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	5	0.15
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	6	0.15
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	9	0.15
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	11	0.15
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	17	0.15
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	13	0.15
(2,361)	1:100:C:SER:N	1:84:C:LYS:O	11	0.15
(2,361)	1:100:C:SER:N	1:84:C:LYS:O	15	0.15
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	11	0.15
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	8	0.15
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	16	0.15
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	4	0.15
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	6	0.15
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	9	0.15
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	14	0.15
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	10	0.15
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	5	0.15
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	11	0.15
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	10	0.15
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	16	0.15
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	14	0.15
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	7	0.15
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	10	0.15
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	20	0.15
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	3	0.15
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	6	0.15
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	4	0.15
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	6	0.15
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	10	0.15
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	15	0.15
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	4	0.15
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	18	0.15
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	16	0.15
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	3	0.15
(2,304)	1:34:C:LYS:H	1:30:C:THR:O	6	0.15
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	2	0.15
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	17	0.15
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	5	0.15
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	6	0.15
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	7	0.15
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	14	0.15
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	16	0.15
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	12	0.15
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	19	0.15
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	3	0.15
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	4	0.15
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	17	0.15
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	4	0.15
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	15	0.15
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	13	0.15
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	5	0.15
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	8	0.15
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	11	0.15
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	13	0.15
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	2	0.15
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	1	0.15
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	6	0.15
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	6	0.15
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	2	0.15
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	15	0.15
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	19	0.15
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	7	0.15
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	9	0.15
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	11	0.15
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	17	0.15
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	13	0.15
(2,239)	1:100:B:SER:N	1:84:B:LYS:O	11	0.15
(2,239)	1:100:B:SER:N	1:84:B:LYS:O	15	0.15
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	11	0.15
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	4	0.15
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	8	0.15
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	16	0.15
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	4	0.15
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	6	0.15
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	14	0.15
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	10	0.15
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	5	0.15
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	11	0.15
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	10	0.15
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	16	0.15
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	14	0.15
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	7	0.15
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	10	0.15
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	20	0.15
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	3	0.15
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	6	0.15
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	2	0.15
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	6	0.15
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	10	0.15
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	15	0.15
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	4	0.15
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	18	0.15
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	16	0.15
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	3	0.15
(2,182)	1:34:B:LYS:H	1:30:B:THR:O	6	0.15
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	2	0.15
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	17	0.15
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	5	0.15
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	6	0.15
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	7	0.15
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	14	0.15
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	16	0.15
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	12	0.15
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	19	0.15
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	3	0.15
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	4	0.15
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	12	0.15
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	17	0.15
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	4	0.15
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	15	0.15
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	13	0.15
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	5	0.15
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	8	0.15
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	11	0.15
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	13	0.15
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	2	0.15
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	1	0.15
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	6	0.15
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	6	0.15
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	2	0.15
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	15	0.15
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	19	0.15
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	7	0.15
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	9	0.15
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	11	0.15
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	17	0.15
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	13	0.15
(2,117)	1:100:A:SER:N	1:84:A:LYS:O	11	0.15
(2,117)	1:100:A:SER:N	1:84:A:LYS:O	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	11	0.15
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	4	0.15
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	8	0.15
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	16	0.15
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	4	0.15
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	6	0.15
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	9	0.15
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	14	0.15
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	10	0.15
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	5	0.15
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	11	0.15
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	10	0.15
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	16	0.15
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	14	0.15
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	7	0.15
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	10	0.15
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	20	0.15
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	3	0.15
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	6	0.15
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	2	0.15
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	4	0.15
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	6	0.15
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	10	0.15
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	15	0.15
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	4	0.15
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	18	0.15
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	16	0.15
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	3	0.15
(2,60)	1:34:A:LYS:H	1:30:A:THR:O	6	0.15
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	1	0.15
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	2	0.15
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	17	0.15
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	5	0.15
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	6	0.15
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	7	0.15
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	14	0.15
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	16	0.15
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	19	0.15
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	3	0.15
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	4	0.15
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	12	0.15
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	4	0.15
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	15	0.15
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	13	0.15
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	5	0.15
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	8	0.15
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	11	0.15
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	13	0.15
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	2	0.15
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	1	0.15
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	6	0.15
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	6	0.15
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	2	0.15
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	15	0.15
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	19	0.15
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	7	0.15
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	19	0.15
(1,3908)	1:48:C:PRO:CG	1:49:C:TYR:CZ	17	0.15
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	8	0.15
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	12	0.15
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	13	0.15
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	16	0.15
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	14	0.15
(1,3715)	1:48:B:PRO:CG	1:49:B:TYR:CZ	17	0.15
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	8	0.15
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	12	0.15
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	10	0.15
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	16	0.15
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	14	0.15
(1,3523)	1:48:A:PRO:CG	1:49:A:TYR:CZ	17	0.15
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	8	0.15
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	12	0.15
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	10	0.15
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	16	0.15
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	14	0.15
(1,3396)	1:57:C:THR:HB	1:103:A:ILE:H	10	0.15
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	11	0.15
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	14	0.15
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	11	0.15
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	1	0.15
(1,3335)	1:62:C:GLY:HA3	1:97:A:TYR:H	20	0.15
(1,3315)	1:57:B:THR:HB	1:103:C:ILE:H	10	0.15
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	14	0.15
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	1	0.15
(1,3254)	1:62:B:GLY:HA3	1:97:C:TYR:H	20	0.15
(1,3234)	1:57:A:THR:HB	1:103:B:ILE:H	10	0.15
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	11	0.15
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	14	0.15
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	1	0.15
(1,3173)	1:62:A:GLY:HA3	1:97:B:TYR:H	20	0.15
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	17	0.15
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	2	0.15
(1,2884)	1:26:C:ASP:CB	1:27:C:LYS:CD	3	0.15
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	18	0.15
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	1	0.15
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	7	0.15
(1,2700)	1:74:C:GLY:HA3	1:84:C:LYS:HB2	15	0.15
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	2	0.15
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	9	0.15
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	14	0.15
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	19	0.15
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	2	0.15
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	11	0.15
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	19	0.15
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	14	0.15
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	10	0.15
(1,2245)	1:80:C:SER:HB2	1:81:C:VAL:HA	15	0.15
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	17	0.15
(1,2134)	1:48:C:PRO:CA	1:55:C:ASN:CA	20	0.15
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	8	0.15
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	2	0.15
(1,1827)	1:26:B:ASP:CB	1:27:B:LYS:CD	3	0.15
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	18	0.15
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	1	0.15
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	7	0.15
(1,1643)	1:74:B:GLY:HA3	1:84:B:LYS:HB2	15	0.15
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	2	0.15
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	9	0.15
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	14	0.15
(1,1447)	1:59:B:GLY:CA	1:69:B:LEU:CD1	14	0.15
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	2	0.15
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	11	0.15
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	19	0.15
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	10	0.15
(1,1188)	1:80:B:SER:HB2	1:81:B:VAL:HA	15	0.15
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	17	0.15
(1,1077)	1:48:B:PRO:CA	1:55:B:ASN:CA	20	0.15
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	8	0.15
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	1	0.15
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	2	0.15
(1,770)	1:26:A:ASP:CB	1:27:A:LYS:CD	3	0.15
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	18	0.15
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	1	0.15
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	7	0.15
(1,586)	1:74:A:GLY:HA3	1:84:A:LYS:HB2	15	0.15
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	9	0.15
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	14	0.15
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	19	0.15
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	2	0.15
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	11	0.15
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	19	0.15
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	14	0.15
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	10	0.15
(1,131)	1:80:A:SER:HB2	1:81:A:VAL:HA	15	0.15
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	17	0.15
(1,20)	1:48:A:PRO:CA	1:55:A:ASN:CA	20	0.15
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	8	0.15
(2,425)	1:101:A:PHE:N	1:58:C:ALA:O	20	0.14
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	3	0.14
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	6	0.14
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	10	0.14
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	17	0.14
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	1	0.14
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	5	0.14
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	19	0.14
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	17	0.14
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	13	0.14
(2,405)	1:101:C:PHE:N	1:58:B:ALA:O	20	0.14
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	3	0.14
(2,401)	1:105:C:TRP:N	1:54:B:VAL:O	6	0.14
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	6	0.14
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	10	0.14
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	17	0.14
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	1	0.14
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	19	0.14
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	4	0.14
(2,388)	1:56:B:PHE:H	1:103:C:ILE:O	17	0.14
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	13	0.14
(2,385)	1:101:B:PHE:N	1:58:A:ALA:O	20	0.14
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	3	0.14
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	6	0.14
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	10	0.14
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	17	0.14
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	1	0.14
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	5	0.14
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	19	0.14
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	17	0.14
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	13	0.14
(2,363)	1:37:C:ALA:N	1:33:C:ASP:O	20	0.14
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	12	0.14
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	14	0.14
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	17	0.14
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	2	0.14
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	3	0.14
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	19	0.14
(2,355)	1:88:C:ALA:N	1:96:C:MET:O	6	0.14
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	4	0.14
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	7	0.14
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	20	0.14
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	5	0.14
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	8	0.14
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	12	0.14
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	16	0.14
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	11	0.14
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	1	0.14
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	2	0.14
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	5	0.14
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	12	0.14
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	11	0.14
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	15	0.14
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	12	0.14
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	18	0.14
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	13	0.14
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	9	0.14
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	20	0.14
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	17	0.14
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	2	0.14
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	3	0.14
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	11	0.14
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	16	0.14
(2,297)	1:71:C:ILE:N	1:87:C:VAL:O	14	0.14
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	1	0.14
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	2	0.14
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	20	0.14
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	19	0.14
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	11	0.14
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	17	0.14
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	3	0.14
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	9	0.14
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	7	0.14
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	11	0.14
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	7	0.14
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	15	0.14
(2,280)	1:31:C:ARG:H	1:27:C:LYS:O	3	0.14
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	8	0.14
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	15	0.14
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	18	0.14
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	20	0.14
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	1	0.14
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	10	0.14
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	11	0.14
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	9	0.14
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	5	0.14
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	2	0.14
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	1	0.14
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	9	0.14
(2,266)	1:53:C:LYS:H	1:76:C:ARG:O	14	0.14
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	10	0.14
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	12	0.14
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	1	0.14
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	3	0.14
(2,254)	1:42:C:LEU:H	1:38:C:SER:O	16	0.14
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	11	0.14
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	17	0.14
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	20	0.14
(2,241)	1:37:B:ALA:N	1:33:B:ASP:O	20	0.14
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	14	0.14
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	17	0.14
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	2	0.14
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	3	0.14
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	19	0.14
(2,233)	1:88:B:ALA:N	1:96:B:MET:O	6	0.14
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	7	0.14
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	20	0.14
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	5	0.14
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	8	0.14
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	16	0.14
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	11	0.14
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	1	0.14
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	12	0.14
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	11	0.14
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	15	0.14
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	12	0.14
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	18	0.14
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	13	0.14
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	9	0.14
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	14	0.14
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	20	0.14
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	12	0.14
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	17	0.14
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	2	0.14
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	3	0.14
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	11	0.14
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	16	0.14
(2,175)	1:71:B:ILE:N	1:87:B:VAL:O	14	0.14
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	1	0.14
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	2	0.14
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	20	0.14
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	19	0.14
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	11	0.14
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	17	0.14
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	3	0.14
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	9	0.14
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	7	0.14
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	11	0.14
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	7	0.14
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	15	0.14
(2,158)	1:31:B:ARG:H	1:27:B:LYS:O	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	8	0.14
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	15	0.14
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	20	0.14
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	1	0.14
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	10	0.14
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	11	0.14
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	9	0.14
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	5	0.14
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	2	0.14
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	1	0.14
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	9	0.14
(2,144)	1:53:B:LYS:H	1:76:B:ARG:O	14	0.14
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	10	0.14
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	12	0.14
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	1	0.14
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	3	0.14
(2,132)	1:42:B:LEU:H	1:38:B:SER:O	16	0.14
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	11	0.14
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	17	0.14
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	20	0.14
(2,119)	1:37:A:ALA:N	1:33:A:ASP:O	20	0.14
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	12	0.14
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	14	0.14
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	17	0.14
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	2	0.14
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	3	0.14
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	19	0.14
(2,111)	1:88:A:ALA:N	1:96:A:MET:O	6	0.14
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	7	0.14
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	20	0.14
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	5	0.14
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	8	0.14
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	11	0.14
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	1	0.14
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	12	0.14
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	11	0.14
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	15	0.14
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	12	0.14
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	18	0.14
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	13	0.14
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	9	0.14
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	12	0.14
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	17	0.14
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	2	0.14
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	3	0.14
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	11	0.14
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	16	0.14
(2,53)	1:71:A:ILE:N	1:87:A:VAL:O	14	0.14
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	1	0.14
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	2	0.14
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	20	0.14
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	19	0.14
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	11	0.14
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	17	0.14
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	3	0.14
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	9	0.14
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	12	0.14
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	7	0.14
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	11	0.14
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	7	0.14
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	15	0.14
(2,36)	1:31:A:ARG:H	1:27:A:LYS:O	3	0.14
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	8	0.14
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	15	0.14
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	20	0.14
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	1	0.14
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	10	0.14
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	11	0.14
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	9	0.14
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	5	0.14
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	2	0.14
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	1	0.14
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	9	0.14
(2,22)	1:53:A:LYS:H	1:76:A:ARG:O	14	0.14
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	10	0.14
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	12	0.14
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	1	0.14
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	3	0.14
(2,10)	1:42:A:LEU:H	1:38:A:SER:O	16	0.14
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	11	0.14
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	17	0.14
(1,3987)	1:21:C:LEU:HB2	1:24:C:ARG:HG3	8	0.14
(1,3974)	1:23:C:ASN:CB	1:25:C:LEU:CG	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3914)	1:79:C:GLU:CG	1:81:C:VAL:CA	5	0.14
(1,3897)	1:28:C:LEU:CG	1:30:C:THR:CA	9	0.14
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	10	0.14
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	8	0.14
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	10	0.14
(1,3844)	1:24:C:ARG:HD3	1:25:B:LEU:HG	16	0.14
(1,3830)	1:44:C:SER:CB	1:85:A:ALA:CB	15	0.14
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	15	0.14
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	8	0.14
(1,3794)	1:21:B:LEU:HB2	1:24:B:ARG:HG3	8	0.14
(1,3781)	1:23:B:ASN:CB	1:25:B:LEU:CG	9	0.14
(1,3721)	1:79:B:GLU:CG	1:81:B:VAL:CA	5	0.14
(1,3704)	1:28:B:LEU:CG	1:30:B:THR:CA	9	0.14
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	10	0.14
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	8	0.14
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	13	0.14
(1,3651)	1:24:B:ARG:HD3	1:25:A:LEU:HG	16	0.14
(1,3637)	1:44:B:SER:CB	1:85:C:ALA:CB	15	0.14
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	15	0.14
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	8	0.14
(1,3601)	1:21:A:LEU:HB2	1:24:A:ARG:HG3	8	0.14
(1,3588)	1:23:A:ASN:CB	1:25:A:LEU:CG	9	0.14
(1,3571)	1:24:A:ARG:CD	1:26:C:ASP:CB	17	0.14
(1,3529)	1:79:A:GLU:CG	1:81:A:VAL:CA	5	0.14
(1,3512)	1:28:A:LEU:CG	1:30:A:THR:CA	9	0.14
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	10	0.14
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	13	0.14
(1,3459)	1:24:A:ARG:HD3	1:25:C:LEU:HG	16	0.14
(1,3445)	1:44:A:SER:CB	1:85:B:ALA:CB	15	0.14
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	15	0.14
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	8	0.14
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	12	0.14
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	12	0.14
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	11	0.14
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	12	0.14
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	11	0.14
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	13	0.14
(1,3062)	1:32:C:VAL:CB	1:34:C:LYS:CE	12	0.14
(1,3032)	1:45:C:LEU:CG	1:47:C:GLN:C	2	0.14
(1,2954)	1:32:C:VAL:CG2	1:34:C:LYS:CA	6	0.14
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	1	0.14
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	5	0.14
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	9	0.14
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	4	0.14
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	7	0.14
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	19	0.14
(1,2588)	1:55:C:ASN:CA	1:57:C:THR:C	9	0.14
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	7	0.14
(1,2581)	1:69:C:LEU:CA	1:71:C:ILE:CD1	10	0.14
(1,2491)	1:88:C:ALA:CA	1:97:C:TYR:CA	20	0.14
(1,2468)	1:102:C:ASN:CG	1:103:C:ILE:CG2	18	0.14
(1,2417)	1:89:C:TYR:CD2	1:95:C:VAL:CG1	14	0.14
(1,2344)	1:70:C:ALA:CB	1:71:C:ILE:CG2	8	0.14
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	6	0.14
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	11	0.14
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	7	0.14
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	19	0.14
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	2	0.14
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	9	0.14
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	11	0.14
(1,2151)	1:35:C:GLY:HA2	1:38:C:SER:H	12	0.14
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	2	0.14
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	13	0.14
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	12	0.14
(1,2005)	1:32:B:VAL:CB	1:34:B:LYS:CE	17	0.14
(1,1975)	1:45:B:LEU:CG	1:47:B:GLN:C	2	0.14
(1,1897)	1:32:B:VAL:CG2	1:34:B:LYS:CA	6	0.14
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	1	0.14
(1,1793)	1:26:B:ASP:CG	1:27:B:LYS:CG	17	0.14
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	9	0.14
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	13	0.14
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	5	0.14
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	9	0.14
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	4	0.14
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	7	0.14
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	19	0.14
(1,1531)	1:55:B:ASN:CA	1:57:B:THR:C	9	0.14
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	7	0.14
(1,1524)	1:69:B:LEU:CA	1:71:B:ILE:CD1	10	0.14
(1,1434)	1:88:B:ALA:CA	1:97:B:TYR:CA	20	0.14
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	19	0.14
(1,1411)	1:102:B:ASN:CG	1:103:B:ILE:CG2	18	0.14
(1,1360)	1:89:B:TYR:CD2	1:95:B:VAL:CG1	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:70:B:ALA:CB	1:71:B:ILE:CG2	8	0.14
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	6	0.14
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	11	0.14
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	7	0.14
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	19	0.14
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	2	0.14
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	9	0.14
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	11	0.14
(1,1094)	1:35:B:GLY:HA2	1:38:B:SER:H	12	0.14
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	2	0.14
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	13	0.14
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	12	0.14
(1,948)	1:32:A:VAL:CB	1:34:A:LYS:CE	17	0.14
(1,918)	1:45:A:LEU:CG	1:47:A:GLN:C	2	0.14
(1,840)	1:32:A:VAL:CG2	1:34:A:LYS:CA	6	0.14
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	9	0.14
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	5	0.14
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	9	0.14
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	4	0.14
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	7	0.14
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	19	0.14
(1,474)	1:55:A:ASN:CA	1:57:A:THR:C	9	0.14
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	7	0.14
(1,467)	1:69:A:LEU:CA	1:71:A:ILE:CD1	10	0.14
(1,377)	1:88:A:ALA:CA	1:97:A:TYR:CA	20	0.14
(1,354)	1:102:A:ASN:CG	1:103:A:ILE:CG2	18	0.14
(1,303)	1:89:A:TYR:CD2	1:95:A:VAL:CG1	14	0.14
(1,230)	1:70:A:ALA:CB	1:71:A:ILE:CG2	8	0.14
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	6	0.14
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	11	0.14
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	7	0.14
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	19	0.14
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	2	0.14
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	9	0.14
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	11	0.14
(1,37)	1:35:A:GLY:HA2	1:38:A:SER:H	12	0.14
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	2	0.14
(2,425)	1:101:A:PHE:N	1:58:C:ALA:O	8	0.13
(2,421)	1:105:A:TRP:N	1:54:C:VAL:O	6	0.13
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	15	0.13
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	16	0.13
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	13	0.13
(2,414)	1:62:C:GLY:H	1:97:A:TYR:O	6	0.13
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	9	0.13
(2,408)	1:56:C:PHE:H	1:103:A:ILE:O	4	0.13
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	1	0.13
(2,405)	1:101:C:PHE:N	1:58:B:ALA:O	8	0.13
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	15	0.13
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	8	0.13
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	13	0.13
(2,394)	1:62:B:GLY:H	1:97:C:TYR:O	6	0.13
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	9	0.13
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	1	0.13
(2,385)	1:101:B:PHE:N	1:58:A:ALA:O	8	0.13
(2,381)	1:105:B:TRP:N	1:54:A:VAL:O	6	0.13
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	15	0.13
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	16	0.13
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	8	0.13
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	13	0.13
(2,374)	1:62:A:GLY:H	1:97:B:TYR:O	6	0.13
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	9	0.13
(2,368)	1:56:A:PHE:H	1:103:B:ILE:O	4	0.13
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	1	0.13
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	5	0.13
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	6	0.13
(2,355)	1:88:C:ALA:N	1:96:C:MET:O	14	0.13
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	3	0.13
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	15	0.13
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	18	0.13
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	1	0.13
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	10	0.13
(2,347)	1:78:C:ASN:N	1:51:C:VAL:O	11	0.13
(2,342)	1:18:C:PHE:H	1:14:C:GLY:O	5	0.13
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	8	0.13
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	9	0.13
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	6	0.13
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	2	0.13
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	2	0.13
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	14	0.13
(2,323)	1:29:C:ASP:N	1:25:C:LEU:O	4	0.13
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	13	0.13
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	1	0.13
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	19	0.13
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	2	0.13
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	11	0.13
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	17	0.13
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	6	0.13
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	5	0.13
(2,303)	1:34:C:LYS:N	1:30:C:THR:O	6	0.13
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	18	0.13
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	17	0.13
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	9	0.13
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	19	0.13
(2,295)	1:36:C:LEU:N	1:32:C:VAL:O	4	0.13
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	1	0.13
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	4	0.13
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	9	0.13
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	7	0.13
(2,283)	1:73:C:SER:N	1:85:C:ALA:O	3	0.13
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	2	0.13
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	5	0.13
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	8	0.13
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	14	0.13
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	13	0.13
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	15	0.13
(2,270)	1:87:C:VAL:H	1:71:C:ILE:O	16	0.13
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	1	0.13
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	10	0.13
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	12	0.13
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	19	0.13
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	8	0.13
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	14	0.13
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	12	0.13
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	17	0.13
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	10	0.13
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	1	0.13
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	18	0.13
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	13	0.13
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	17	0.13
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	2	0.13
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	9	0.13
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	3	0.13
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	5	0.13
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:88:B:ALA:N	1:96:B:MET:O	14	0.13
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	3	0.13
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	18	0.13
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	12	0.13
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	15	0.13
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	18	0.13
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	1	0.13
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	10	0.13
(2,225)	1:78:B:ASN:N	1:51:B:VAL:O	11	0.13
(2,220)	1:18:B:PHE:H	1:14:B:GLY:O	5	0.13
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	8	0.13
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	9	0.13
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	2	0.13
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	8	0.13
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	5	0.13
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	6	0.13
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	2	0.13
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	2	0.13
(2,201)	1:29:B:ASP:N	1:25:B:LEU:O	4	0.13
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	13	0.13
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	1	0.13
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	6	0.13
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	19	0.13
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	2	0.13
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	11	0.13
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	17	0.13
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	6	0.13
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	5	0.13
(2,181)	1:34:B:LYS:N	1:30:B:THR:O	6	0.13
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	18	0.13
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	17	0.13
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	9	0.13
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	19	0.13
(2,173)	1:36:B:LEU:N	1:32:B:VAL:O	4	0.13
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	1	0.13
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	4	0.13
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	9	0.13
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	7	0.13
(2,161)	1:73:B:SER:N	1:85:B:ALA:O	3	0.13
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	2	0.13
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	18	0.13
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	8	0.13
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	14	0.13
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	13	0.13
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	15	0.13
(2,148)	1:87:B:VAL:H	1:71:B:ILE:O	16	0.13
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	1	0.13
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	10	0.13
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	19	0.13
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	8	0.13
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	14	0.13
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	12	0.13
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	17	0.13
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	10	0.13
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	18	0.13
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	13	0.13
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	2	0.13
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	9	0.13
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	3	0.13
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	5	0.13
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	6	0.13
(2,111)	1:88:A:ALA:N	1:96:A:MET:O	14	0.13
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	3	0.13
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	12	0.13
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	15	0.13
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	18	0.13
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	1	0.13
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	10	0.13
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	16	0.13
(2,103)	1:78:A:ASN:N	1:51:A:VAL:O	11	0.13
(2,98)	1:18:A:PHE:H	1:14:A:GLY:O	5	0.13
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	8	0.13
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	9	0.13
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	2	0.13
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	5	0.13
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	6	0.13
(2,88)	1:24:A:ARG:H	1:20:A:GLN:O	6	0.13
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	2	0.13
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	2	0.13
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	14	0.13
(2,79)	1:29:A:ASP:N	1:25:A:LEU:O	4	0.13
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	13	0.13
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	6	0.13
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	19	0.13
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	2	0.13
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	11	0.13
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	17	0.13
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	6	0.13
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	5	0.13
(2,59)	1:34:A:LYS:N	1:30:A:THR:O	6	0.13
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	18	0.13
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	13	0.13
(2,56)	1:32:A:VAL:H	1:28:A:LEU:O	17	0.13
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	9	0.13
(2,54)	1:71:A:ILE:H	1:87:A:VAL:O	2	0.13
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	19	0.13
(2,51)	1:36:A:LEU:N	1:32:A:VAL:O	4	0.13
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	1	0.13
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	4	0.13
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	9	0.13
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	7	0.13
(2,39)	1:73:A:SER:N	1:85:A:ALA:O	3	0.13
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	2	0.13
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	18	0.13
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	5	0.13
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	8	0.13
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	14	0.13
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	13	0.13
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	15	0.13
(2,26)	1:87:A:VAL:H	1:71:A:ILE:O	16	0.13
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	1	0.13
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	10	0.13
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	19	0.13
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	8	0.13
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	14	0.13
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	12	0.13
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	17	0.13
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	10	0.13
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	1	0.13
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	18	0.13
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	13	0.13
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	2	0.13
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	9	0.13
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3987)	1:21:C:LEU:HB2	1:24:C:ARG:HG3	13	0.13
(1,3957)	1:24:C:ARG:CD	1:26:B:ASP:CB	17	0.13
(1,3901)	1:31:C:ARG:CD	1:32:C:VAL:CG1	12	0.13
(1,3891)	1:53:C:LYS:CB	1:75:C:TYR:CB	8	0.13
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	15	0.13
(1,3873)	1:54:C:VAL:C	1:104:A:GLU:CD	17	0.13
(1,3871)	1:69:C:LEU:CD1	1:70:C:ALA:CA	1	0.13
(1,3856)	1:54:C:VAL:HA	1:77:C:VAL:HA	17	0.13
(1,3843)	1:42:C:LEU:CA	1:96:C:MET:CG	11	0.13
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	4	0.13
(1,3812)	1:47:C:GLN:HA	1:76:C:ARG:HB2	20	0.13
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	13	0.13
(1,3794)	1:21:B:LEU:HB2	1:24:B:ARG:HG3	13	0.13
(1,3764)	1:24:B:ARG:CD	1:26:A:ASP:CB	17	0.13
(1,3708)	1:31:B:ARG:CD	1:32:B:VAL:CG1	12	0.13
(1,3698)	1:53:B:LYS:CB	1:75:B:TYR:CB	8	0.13
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	15	0.13
(1,3680)	1:54:B:VAL:C	1:104:C:GLU:CD	17	0.13
(1,3678)	1:69:B:LEU:CD1	1:70:B:ALA:CA	1	0.13
(1,3663)	1:54:B:VAL:HA	1:77:B:VAL:HA	17	0.13
(1,3650)	1:42:B:LEU:CA	1:96:B:MET:CG	11	0.13
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	4	0.13
(1,3619)	1:47:B:GLN:HA	1:76:B:ARG:HB2	20	0.13
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	13	0.13
(1,3601)	1:21:A:LEU:HB2	1:24:A:ARG:HG3	13	0.13
(1,3516)	1:31:A:ARG:CD	1:32:A:VAL:CG1	12	0.13
(1,3506)	1:53:A:LYS:CB	1:75:A:TYR:CB	8	0.13
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	15	0.13
(1,3488)	1:54:A:VAL:C	1:104:B:GLU:CD	17	0.13
(1,3486)	1:69:A:LEU:CD1	1:70:A:ALA:CA	1	0.13
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	8	0.13
(1,3471)	1:54:A:VAL:HA	1:77:A:VAL:HA	17	0.13
(1,3458)	1:42:A:LEU:CA	1:96:A:MET:CG	11	0.13
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	4	0.13
(1,3427)	1:47:A:GLN:HA	1:76:A:ARG:HB2	20	0.13
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	13	0.13
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	3	0.13
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	16	0.13
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	2	0.13
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	12	0.13
(1,2850)	1:26:C:ASP:CG	1:27:C:LYS:CG	17	0.13
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	13	0.13
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	3	0.13
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	9	0.13
(1,2681)	1:95:C:VAL:CA	1:96:C:MET:CG	10	0.13
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	12	0.13
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	7	0.13
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	10	0.13
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	16	0.13
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	14	0.13
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	17	0.13
(1,2245)	1:80:C:SER:HB2	1:81:C:VAL:HA	16	0.13
(1,2234)	1:41:C:ALA:HB2	1:68:C:ALA:H	5	0.13
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	19	0.13
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	6	0.13
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	3	0.13
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	16	0.13
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	2	0.13
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	12	0.13
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	3	0.13
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	3	0.13
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	11	0.13
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	9	0.13
(1,1624)	1:95:B:VAL:CA	1:96:B:MET:CG	10	0.13
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	12	0.13
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	7	0.13
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	10	0.13
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	16	0.13
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	14	0.13
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	17	0.13
(1,1188)	1:80:B:SER:HB2	1:81:B:VAL:HA	16	0.13
(1,1177)	1:41:B:ALA:HB2	1:68:B:ALA:H	5	0.13
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	19	0.13
(1,1099)	1:42:B:LEU:HB2	1:87:B:VAL:H	3	0.13
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	5	0.13
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	6	0.13
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	3	0.13
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	16	0.13
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	2	0.13
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	12	0.13
(1,736)	1:26:A:ASP:CG	1:27:A:LYS:CG	17	0.13
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	3	0.13
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	3	0.13
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	11	0.13
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	9	0.13
(1,567)	1:95:A:VAL:CA	1:96:A:MET:CG	10	0.13
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	12	0.13
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	7	0.13
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	10	0.13
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	16	0.13
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	14	0.13
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	17	0.13
(1,131)	1:80:A:SER:HB2	1:81:A:VAL:HA	16	0.13
(1,120)	1:41:A:ALA:HB2	1:68:A:ALA:H	5	0.13
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	19	0.13
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	6	0.13
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	4	0.12
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	8	0.12
(2,423)	1:97:A:TYR:N	1:62:C:GLY:O	12	0.12
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	9	0.12
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	20	0.12
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	15	0.12
(2,416)	1:64:C:ARG:H	1:95:A:VAL:O	13	0.12
(2,413)	1:62:C:GLY:N	1:97:A:TYR:O	4	0.12
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	17	0.12
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	4	0.12
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	8	0.12
(2,403)	1:97:C:TYR:N	1:62:B:GLY:O	12	0.12
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	9	0.12
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	20	0.12
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	15	0.12
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	13	0.12
(2,396)	1:64:B:ARG:H	1:95:C:VAL:O	16	0.12
(2,393)	1:62:B:GLY:N	1:97:C:TYR:O	4	0.12
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	17	0.12
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	4	0.12
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	8	0.12
(2,383)	1:97:B:TYR:N	1:62:A:GLY:O	12	0.12
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	9	0.12
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	20	0.12
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	15	0.12
(2,376)	1:64:A:ARG:H	1:95:B:VAL:O	13	0.12
(2,373)	1:62:A:GLY:N	1:97:B:TYR:O	4	0.12
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	16	0.12
(2,361)	1:100:C:SER:N	1:84:C:LYS:O	4	0.12
(2,361)	1:100:C:SER:N	1:84:C:LYS:O	5	0.12
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	12	0.12
(2,359)	1:61:C:GLY:N	1:68:C:ALA:O	20	0.12
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	3	0.12
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	16	0.12
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	18	0.12
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	4	0.12
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	5	0.12
(2,352)	1:17:C:LYS:H	1:13:C:LYS:O	17	0.12
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	4	0.12
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	13	0.12
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	17	0.12
(2,343)	1:59:C:GLY:N	1:70:C:ALA:O	1	0.12
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	4	0.12
(2,341)	1:18:C:PHE:N	1:14:C:GLY:O	18	0.12
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	15	0.12
(2,339)	1:66:C:SER:N	1:63:C:TYR:O	9	0.12
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	8	0.12
(2,332)	1:24:C:ARG:H	1:20:C:GLN:O	6	0.12
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	5	0.12
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	17	0.12
(2,320)	1:63:C:TYR:H	1:66:C:SER:O	11	0.12
(2,318)	1:90:C:ALA:H	1:94:C:ASP:O	7	0.12
(2,316)	1:35:C:GLY:H	1:31:C:ARG:O	1	0.12
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	13	0.12
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	19	0.12
(2,312)	1:40:C:ALA:H	1:36:C:LEU:O	20	0.12
(2,311)	1:40:C:ALA:N	1:36:C:LEU:O	4	0.12
(2,308)	1:23:C:ASN:H	1:19:C:ARG:O	1	0.12
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	14	0.12
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	16	0.12
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	14	0.12
(2,301)	1:39:C:SER:N	1:35:C:GLY:O	20	0.12
(2,300)	1:32:C:VAL:H	1:28:C:LEU:O	13	0.12
(2,298)	1:71:C:ILE:H	1:87:C:VAL:O	2	0.12
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	6	0.12
(2,296)	1:36:C:LEU:H	1:32:C:VAL:O	15	0.12
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	4	0.12
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	13	0.12
(2,291)	1:74:C:GLY:N	1:55:C:ASN:O	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,289)	1:82:C:ALA:N	1:102:C:ASN:O	20	0.12
(2,286)	1:28:C:LEU:H	1:24:C:ARG:O	17	0.12
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	12	0.12
(2,277)	1:55:C:ASN:N	1:74:C:GLY:O	17	0.12
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	5	0.12
(2,273)	1:76:C:ARG:N	1:53:C:LYS:O	6	0.12
(2,272)	1:20:C:GLN:H	1:16:C:HIS:O	20	0.12
(2,269)	1:87:C:VAL:N	1:71:C:ILE:O	14	0.12
(2,268)	1:22:C:ASP:H	1:18:C:PHE:O	5	0.12
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	14	0.12
(2,262)	1:25:C:LEU:H	1:21:C:LEU:O	7	0.12
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	14	0.12
(2,258)	1:19:C:ARG:H	1:15:C:ALA:O	16	0.12
(2,257)	1:19:C:ARG:N	1:15:C:ALA:O	4	0.12
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	2	0.12
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	20	0.12
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	5	0.12
(2,246)	1:68:C:ALA:H	1:61:C:GLY:O	7	0.12
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	6	0.12
(2,245)	1:68:C:ALA:N	1:61:C:GLY:O	13	0.12
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	16	0.12
(2,239)	1:100:B:SER:N	1:84:B:LYS:O	4	0.12
(2,239)	1:100:B:SER:N	1:84:B:LYS:O	5	0.12
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	12	0.12
(2,237)	1:61:B:GLY:N	1:68:B:ALA:O	20	0.12
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	3	0.12
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	16	0.12
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	4	0.12
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	5	0.12
(2,230)	1:17:B:LYS:H	1:13:B:LYS:O	17	0.12
(2,228)	1:38:B:SER:H	1:34:B:LYS:O	8	0.12
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	4	0.12
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	13	0.12
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	17	0.12
(2,221)	1:59:B:GLY:N	1:70:B:ALA:O	1	0.12
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	4	0.12
(2,219)	1:18:B:PHE:N	1:14:B:GLY:O	18	0.12
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	15	0.12
(2,217)	1:66:B:SER:N	1:63:B:TYR:O	9	0.12
(2,210)	1:24:B:ARG:H	1:20:B:GLN:O	6	0.12
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	5	0.12
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	17	0.12
(2,198)	1:63:B:TYR:H	1:66:B:SER:O	11	0.12
(2,196)	1:90:B:ALA:H	1:94:B:ASP:O	7	0.12
(2,194)	1:35:B:GLY:H	1:31:B:ARG:O	1	0.12
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	13	0.12
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	19	0.12
(2,190)	1:40:B:ALA:H	1:36:B:LEU:O	20	0.12
(2,189)	1:40:B:ALA:N	1:36:B:LEU:O	4	0.12
(2,186)	1:23:B:ASN:H	1:19:B:ARG:O	1	0.12
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	14	0.12
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	16	0.12
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	14	0.12
(2,178)	1:32:B:VAL:H	1:28:B:LEU:O	13	0.12
(2,176)	1:71:B:ILE:H	1:87:B:VAL:O	2	0.12
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	6	0.12
(2,174)	1:36:B:LEU:H	1:32:B:VAL:O	15	0.12
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	4	0.12
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	13	0.12
(2,169)	1:74:B:GLY:N	1:55:B:ASN:O	14	0.12
(2,164)	1:28:B:LEU:H	1:24:B:ARG:O	17	0.12
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	12	0.12
(2,155)	1:55:B:ASN:N	1:74:B:GLY:O	17	0.12
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	5	0.12
(2,151)	1:76:B:ARG:N	1:53:B:LYS:O	6	0.12
(2,150)	1:20:B:GLN:H	1:16:B:HIS:O	20	0.12
(2,147)	1:87:B:VAL:N	1:71:B:ILE:O	14	0.12
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	5	0.12
(2,146)	1:22:B:ASP:H	1:18:B:PHE:O	12	0.12
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	14	0.12
(2,140)	1:25:B:LEU:H	1:21:B:LEU:O	7	0.12
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	14	0.12
(2,136)	1:19:B:ARG:H	1:15:B:ALA:O	16	0.12
(2,135)	1:19:B:ARG:N	1:15:B:ALA:O	4	0.12
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	2	0.12
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	1	0.12
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	20	0.12
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	5	0.12
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	17	0.12
(2,124)	1:68:B:ALA:H	1:61:B:GLY:O	7	0.12
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	6	0.12
(2,123)	1:68:B:ALA:N	1:61:B:GLY:O	13	0.12
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:100:A:SER:N	1:84:A:LYS:O	4	0.12
(2,117)	1:100:A:SER:N	1:84:A:LYS:O	5	0.12
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	12	0.12
(2,115)	1:61:A:GLY:N	1:68:A:ALA:O	20	0.12
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	3	0.12
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	16	0.12
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	18	0.12
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	4	0.12
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	5	0.12
(2,108)	1:17:A:LYS:H	1:13:A:LYS:O	17	0.12
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	4	0.12
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	13	0.12
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	17	0.12
(2,99)	1:59:A:GLY:N	1:70:A:ALA:O	1	0.12
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	4	0.12
(2,97)	1:18:A:PHE:N	1:14:A:GLY:O	18	0.12
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	15	0.12
(2,95)	1:66:A:SER:N	1:63:A:TYR:O	9	0.12
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	8	0.12
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	13	0.12
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	5	0.12
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	17	0.12
(2,76)	1:63:A:TYR:H	1:66:A:SER:O	11	0.12
(2,74)	1:90:A:ALA:H	1:94:A:ASP:O	7	0.12
(2,72)	1:35:A:GLY:H	1:31:A:ARG:O	1	0.12
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	13	0.12
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	19	0.12
(2,68)	1:40:A:ALA:H	1:36:A:LEU:O	20	0.12
(2,64)	1:23:A:ASN:H	1:19:A:ARG:O	1	0.12
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	14	0.12
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	16	0.12
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	14	0.12
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	15	0.12
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	4	0.12
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	13	0.12
(2,47)	1:74:A:GLY:N	1:55:A:ASN:O	14	0.12
(2,42)	1:28:A:LEU:H	1:24:A:ARG:O	17	0.12
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	12	0.12
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	14	0.12
(2,33)	1:55:A:ASN:N	1:74:A:GLY:O	17	0.12
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	5	0.12
(2,29)	1:76:A:ARG:N	1:53:A:LYS:O	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:20:A:GLN:H	1:16:A:HIS:O	20	0.12
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	1	0.12
(2,25)	1:87:A:VAL:N	1:71:A:ILE:O	14	0.12
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	5	0.12
(2,24)	1:22:A:ASP:H	1:18:A:PHE:O	12	0.12
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	14	0.12
(2,18)	1:25:A:LEU:H	1:21:A:LEU:O	7	0.12
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	14	0.12
(2,14)	1:19:A:ARG:H	1:15:A:ALA:O	16	0.12
(2,13)	1:19:A:ARG:N	1:15:A:ALA:O	4	0.12
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	2	0.12
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	20	0.12
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	5	0.12
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	17	0.12
(2,2)	1:68:A:ALA:H	1:61:A:GLY:O	7	0.12
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	6	0.12
(2,1)	1:68:A:ALA:N	1:61:A:GLY:O	13	0.12
(1,3981)	1:63:C:TYR:CB	1:64:C:ARG:CG	14	0.12
(1,3976)	1:27:C:LYS:CG	1:29:B:ASP:CG	2	0.12
(1,3973)	1:30:C:THR:CG2	1:32:C:VAL:CG1	15	0.12
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	5	0.12
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	8	0.12
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	14	0.12
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	7	0.12
(1,3839)	1:63:C:TYR:CZ	1:90:A:ALA:CA	8	0.12
(1,3829)	1:49:C:TYR:CG	1:80:A:SER:CA	14	0.12
(1,3826)	1:42:C:LEU:HA	1:98:C:ASN:HB2	7	0.12
(1,3822)	1:47:C:GLN:HG3	1:84:C:LYS:HD3	1	0.12
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	15	0.12
(1,3800)	1:31:C:ARG:CD	1:33:B:ASP:CB	19	0.12
(1,3788)	1:63:B:TYR:CB	1:64:B:ARG:CG	14	0.12
(1,3783)	1:27:B:LYS:CG	1:29:A:ASP:CG	2	0.12
(1,3780)	1:30:B:THR:CG2	1:32:B:VAL:CG1	15	0.12
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	8	0.12
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	14	0.12
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	7	0.12
(1,3646)	1:63:B:TYR:CZ	1:90:C:ALA:CA	8	0.12
(1,3636)	1:49:B:TYR:CG	1:80:C:SER:CA	14	0.12
(1,3633)	1:42:B:LEU:HA	1:98:B:ASN:HB2	7	0.12
(1,3629)	1:47:B:GLN:HG3	1:84:B:LYS:HD3	1	0.12
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	15	0.12
(1,3607)	1:31:B:ARG:CD	1:33:A:ASP:CB	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3595)	1:63:A:TYR:CB	1:64:A:ARG:CG	14	0.12
(1,3590)	1:27:A:LYS:CG	1:29:C:ASP:CG	2	0.12
(1,3587)	1:30:A:THR:CG2	1:32:A:VAL:CG1	15	0.12
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	5	0.12
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	8	0.12
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	14	0.12
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	7	0.12
(1,3454)	1:63:A:TYR:CZ	1:90:B:ALA:CA	8	0.12
(1,3448)	1:48:A:PRO:CA	1:49:A:TYR:CE1	15	0.12
(1,3444)	1:49:A:TYR:CG	1:80:B:SER:CA	14	0.12
(1,3441)	1:42:A:LEU:HA	1:98:A:ASN:HB2	7	0.12
(1,3437)	1:47:A:GLN:HG3	1:84:A:LYS:HD3	1	0.12
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	15	0.12
(1,3415)	1:31:A:ARG:CD	1:33:C:ASP:CB	19	0.12
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	16	0.12
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	17	0.12
(1,3352)	1:61:C:GLY:C	1:98:A:ASN:N	11	0.12
(1,3349)	1:45:C:LEU:CG	1:84:A:LYS:CB	2	0.12
(1,3334)	1:62:C:GLY:C	1:95:A:VAL:CA	4	0.12
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	16	0.12
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	17	0.12
(1,3271)	1:61:B:GLY:C	1:98:C:ASN:N	11	0.12
(1,3268)	1:45:B:LEU:CG	1:84:C:LYS:CB	2	0.12
(1,3253)	1:62:B:GLY:C	1:95:C:VAL:CA	4	0.12
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	16	0.12
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	17	0.12
(1,3190)	1:61:A:GLY:C	1:98:B:ASN:N	11	0.12
(1,3187)	1:45:A:LEU:CG	1:84:B:LYS:CB	2	0.12
(1,3172)	1:62:A:GLY:C	1:95:B:VAL:CA	4	0.12
(1,3078)	1:36:C:LEU:C	1:63:C:TYR:C	20	0.12
(1,3070)	1:33:C:ASP:CG	1:36:C:LEU:CA	1	0.12
(1,2944)	1:27:C:LYS:CG	1:31:C:ARG:CA	20	0.12
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	6	0.12
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	8	0.12
(1,2722)	1:101:C:PHE:CE2	1:102:C:ASN:C	12	0.12
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	11	0.12
(1,2407)	1:103:C:ILE:CD1	1:104:C:GLU:C	12	0.12
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	4	0.12
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	5	0.12
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	8	0.12
(1,2284)	1:100:C:SER:CA	1:101:C:PHE:CB	16	0.12
(1,2232)	1:46:C:PHE:HA	1:57:C:THR:HB	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	2	0.12
(1,2202)	1:14:C:GLY:N	1:17:C:LYS:C	12	0.12
(1,2156)	1:42:C:LEU:HB2	1:87:C:VAL:H	3	0.12
(1,2154)	1:34:C:LYS:CB	1:38:C:SER:C	13	0.12
(1,2152)	1:86:C:GLY:H	1:97:C:TYR:HA	15	0.12
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	3	0.12
(1,2148)	1:85:C:ALA:CB	1:97:C:TYR:CA	5	0.12
(1,2115)	1:42:C:LEU:CA	1:71:C:ILE:CB	1	0.12
(1,2021)	1:36:B:LEU:C	1:63:B:TYR:C	20	0.12
(1,2013)	1:33:B:ASP:CG	1:36:B:LEU:CA	1	0.12
(1,1887)	1:27:B:LYS:CG	1:31:B:ARG:CA	20	0.12
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	6	0.12
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	8	0.12
(1,1350)	1:103:B:ILE:CD1	1:104:B:GLU:C	12	0.12
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	4	0.12
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	5	0.12
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	8	0.12
(1,1175)	1:46:B:PHE:HA	1:57:B:THR:HB	17	0.12
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	2	0.12
(1,1145)	1:14:B:GLY:N	1:17:B:LYS:C	12	0.12
(1,1097)	1:34:B:LYS:CB	1:38:B:SER:C	13	0.12
(1,1095)	1:86:B:GLY:H	1:97:B:TYR:HA	15	0.12
(1,1091)	1:85:B:ALA:CB	1:97:B:TYR:CA	3	0.12
(1,1058)	1:42:B:LEU:CA	1:71:B:ILE:CB	1	0.12
(1,956)	1:33:A:ASP:CG	1:36:A:LEU:CA	1	0.12
(1,830)	1:27:A:LYS:CG	1:31:A:ARG:CA	20	0.12
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	6	0.12
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	8	0.12
(1,608)	1:101:A:PHE:CE2	1:102:A:ASN:C	12	0.12
(1,293)	1:103:A:ILE:CD1	1:104:A:GLU:C	12	0.12
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	4	0.12
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	5	0.12
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	8	0.12
(1,118)	1:46:A:PHE:HA	1:57:A:THR:HB	17	0.12
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	2	0.12
(1,88)	1:14:A:GLY:N	1:17:A:LYS:C	12	0.12
(1,42)	1:42:A:LEU:HB2	1:87:A:VAL:H	3	0.12
(1,40)	1:34:A:LYS:CB	1:38:A:SER:C	13	0.12
(1,38)	1:86:A:GLY:H	1:97:A:TYR:HA	15	0.12
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	3	0.12
(1,34)	1:85:A:ALA:CB	1:97:A:TYR:CA	5	0.12
(1,1)	1:42:A:LEU:CA	1:71:A:ILE:CB	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,426)	1:101:A:PHE:H	1:58:C:ALA:O	7	0.11
(2,424)	1:97:A:TYR:H	1:62:C:GLY:O	3	0.11
(2,420)	1:103:A:ILE:H	1:56:C:PHE:O	5	0.11
(2,419)	1:103:A:ILE:N	1:56:C:PHE:O	11	0.11
(2,417)	1:99:A:ALA:N	1:60:C:VAL:O	17	0.11
(2,415)	1:64:C:ARG:N	1:95:A:VAL:O	18	0.11
(2,411)	1:60:C:VAL:N	1:99:A:ALA:O	11	0.11
(2,407)	1:56:C:PHE:N	1:103:A:ILE:O	10	0.11
(2,406)	1:101:C:PHE:H	1:58:B:ALA:O	7	0.11
(2,404)	1:97:C:TYR:H	1:62:B:GLY:O	3	0.11
(2,400)	1:103:C:ILE:H	1:56:B:PHE:O	5	0.11
(2,399)	1:103:C:ILE:N	1:56:B:PHE:O	11	0.11
(2,397)	1:99:C:ALA:N	1:60:B:VAL:O	17	0.11
(2,395)	1:64:B:ARG:N	1:95:C:VAL:O	18	0.11
(2,391)	1:60:B:VAL:N	1:99:C:ALA:O	11	0.11
(2,387)	1:56:B:PHE:N	1:103:C:ILE:O	10	0.11
(2,386)	1:101:B:PHE:H	1:58:A:ALA:O	7	0.11
(2,384)	1:97:B:TYR:H	1:62:A:GLY:O	3	0.11
(2,380)	1:103:B:ILE:H	1:56:A:PHE:O	5	0.11
(2,379)	1:103:B:ILE:N	1:56:A:PHE:O	11	0.11
(2,377)	1:99:B:ALA:N	1:60:A:VAL:O	17	0.11
(2,375)	1:64:A:ARG:N	1:95:B:VAL:O	18	0.11
(2,371)	1:60:A:VAL:N	1:99:B:ALA:O	11	0.11
(2,367)	1:56:A:PHE:N	1:103:B:ILE:O	10	0.11
(2,366)	1:65:C:SER:H	1:63:C:TYR:O	12	0.11
(2,365)	1:65:C:SER:N	1:63:C:TYR:O	7	0.11
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	2	0.11
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	6	0.11
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	17	0.11
(2,360)	1:61:C:GLY:H	1:68:C:ALA:O	18	0.11
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	15	0.11
(2,355)	1:88:C:ALA:N	1:96:C:MET:O	11	0.11
(2,354)	1:98:C:ASN:H	1:86:C:GLY:O	6	0.11
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	3	0.11
(2,353)	1:98:C:ASN:N	1:86:C:GLY:O	9	0.11
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	9	0.11
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	14	0.11
(2,350)	1:38:C:SER:H	1:34:C:LYS:O	8	0.11
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	7	0.11
(2,349)	1:38:C:SER:N	1:34:C:LYS:O	20	0.11
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	4	0.11
(2,344)	1:59:C:GLY:H	1:70:C:ALA:O	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	13	0.11
(2,334)	1:43:C:ASN:H	1:39:C:SER:O	20	0.11
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	7	0.11
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	15	0.11
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	2	0.11
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	3	0.11
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	4	0.11
(2,331)	1:24:C:ARG:N	1:20:C:GLN:O	14	0.11
(2,330)	1:57:C:THR:H	1:72:C:GLY:O	8	0.11
(2,329)	1:57:C:THR:N	1:72:C:GLY:O	11	0.11
(2,326)	1:84:C:LYS:H	1:100:C:SER:O	18	0.11
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	15	0.11
(2,325)	1:84:C:LYS:N	1:100:C:SER:O	20	0.11
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	3	0.11
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	5	0.11
(2,317)	1:90:C:ALA:N	1:94:C:ASP:O	14	0.11
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	1	0.11
(2,313)	1:44:C:SER:N	1:40:C:ALA:O	6	0.11
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	19	0.11
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	5	0.11
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	10	0.11
(2,299)	1:32:C:VAL:N	1:28:C:LEU:O	20	0.11
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	2	0.11
(2,294)	1:33:C:ASP:H	1:29:C:ASP:O	6	0.11
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	10	0.11
(2,293)	1:33:C:ASP:N	1:29:C:ASP:O	14	0.11
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	2	0.11
(2,292)	1:74:C:GLY:H	1:55:C:ASN:O	9	0.11
(2,290)	1:82:C:ALA:H	1:102:C:ASN:O	20	0.11
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	5	0.11
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	4	0.11
(2,284)	1:73:C:SER:H	1:85:C:ALA:O	6	0.11
(2,281)	1:42:C:LEU:N	1:39:C:SER:O	20	0.11
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	5	0.11
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	11	0.11
(2,279)	1:31:C:ARG:N	1:27:C:LYS:O	14	0.11
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	7	0.11
(2,278)	1:55:C:ASN:H	1:74:C:GLY:O	11	0.11
(2,276)	1:104:C:GLU:H	1:80:C:SER:O	11	0.11
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	1	0.11
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	1	0.11
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	3	0.11
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	9	0.11
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	2	0.11
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	8	0.11
(2,265)	1:53:C:LYS:N	1:76:C:ARG:O	15	0.11
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	2	0.11
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	4	0.11
(2,259)	1:94:C:ASP:N	1:90:C:ALA:O	5	0.11
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	18	0.11
(2,255)	1:72:C:GLY:N	1:57:C:THR:O	15	0.11
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	14	0.11
(2,252)	1:89:C:TYR:H	1:69:C:LEU:O	17	0.11
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	13	0.11
(2,249)	1:27:C:LYS:N	1:23:C:ASN:O	2	0.11
(2,247)	1:30:C:THR:N	1:26:C:ASP:O	15	0.11
(2,244)	1:65:B:SER:H	1:63:B:TYR:O	12	0.11
(2,243)	1:65:B:SER:N	1:63:B:TYR:O	7	0.11
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	2	0.11
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	6	0.11
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	17	0.11
(2,238)	1:61:B:GLY:H	1:68:B:ALA:O	18	0.11
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	15	0.11
(2,233)	1:88:B:ALA:N	1:96:B:MET:O	11	0.11
(2,232)	1:98:B:ASN:H	1:86:B:GLY:O	6	0.11
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	3	0.11
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	9	0.11
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	9	0.11
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	14	0.11
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	7	0.11
(2,227)	1:38:B:SER:N	1:34:B:LYS:O	20	0.11
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	4	0.11
(2,222)	1:59:B:GLY:H	1:70:B:ALA:O	11	0.11
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	13	0.11
(2,212)	1:43:B:ASN:H	1:39:B:SER:O	20	0.11
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	7	0.11
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	15	0.11
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	2	0.11
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	3	0.11
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	4	0.11
(2,209)	1:24:B:ARG:N	1:20:B:GLN:O	14	0.11
(2,208)	1:57:B:THR:H	1:72:B:GLY:O	8	0.11
(2,207)	1:57:B:THR:N	1:72:B:GLY:O	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,204)	1:84:B:LYS:H	1:100:B:SER:O	18	0.11
(2,203)	1:84:B:LYS:N	1:100:B:SER:O	20	0.11
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	3	0.11
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	5	0.11
(2,195)	1:90:B:ALA:N	1:94:B:ASP:O	14	0.11
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	1	0.11
(2,191)	1:44:B:SER:N	1:40:B:ALA:O	6	0.11
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	19	0.11
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	20	0.11
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	5	0.11
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	10	0.11
(2,177)	1:32:B:VAL:N	1:28:B:LEU:O	20	0.11
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	2	0.11
(2,172)	1:33:B:ASP:H	1:29:B:ASP:O	6	0.11
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	10	0.11
(2,171)	1:33:B:ASP:N	1:29:B:ASP:O	14	0.11
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	2	0.11
(2,170)	1:74:B:GLY:H	1:55:B:ASN:O	9	0.11
(2,168)	1:82:B:ALA:H	1:102:B:ASN:O	20	0.11
(2,167)	1:82:B:ALA:N	1:102:B:ASN:O	20	0.11
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	5	0.11
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	4	0.11
(2,162)	1:73:B:SER:H	1:85:B:ALA:O	6	0.11
(2,159)	1:42:B:LEU:N	1:39:B:SER:O	20	0.11
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	5	0.11
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	11	0.11
(2,157)	1:31:B:ARG:N	1:27:B:LYS:O	14	0.11
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	7	0.11
(2,156)	1:55:B:ASN:H	1:74:B:GLY:O	11	0.11
(2,154)	1:104:B:GLU:H	1:80:B:SER:O	11	0.11
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	1	0.11
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	1	0.11
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	6	0.11
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	3	0.11
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	9	0.11
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	8	0.11
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	15	0.11
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	2	0.11
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	4	0.11
(2,137)	1:94:B:ASP:N	1:90:B:ALA:O	5	0.11
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	18	0.11
(2,133)	1:72:B:GLY:N	1:57:B:THR:O	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	14	0.11
(2,130)	1:89:B:TYR:H	1:69:B:LEU:O	17	0.11
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	13	0.11
(2,127)	1:27:B:LYS:N	1:23:B:ASN:O	2	0.11
(2,125)	1:30:B:THR:N	1:26:B:ASP:O	15	0.11
(2,122)	1:65:A:SER:H	1:63:A:TYR:O	12	0.11
(2,121)	1:65:A:SER:N	1:63:A:TYR:O	7	0.11
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	2	0.11
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	6	0.11
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	17	0.11
(2,116)	1:61:A:GLY:H	1:68:A:ALA:O	18	0.11
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	15	0.11
(2,111)	1:88:A:ALA:N	1:96:A:MET:O	11	0.11
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	6	0.11
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	3	0.11
(2,109)	1:98:A:ASN:N	1:86:A:GLY:O	9	0.11
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	8	0.11
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	9	0.11
(2,107)	1:17:A:LYS:N	1:13:A:LYS:O	14	0.11
(2,106)	1:38:A:SER:H	1:34:A:LYS:O	8	0.11
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	7	0.11
(2,105)	1:38:A:SER:N	1:34:A:LYS:O	20	0.11
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	4	0.11
(2,100)	1:59:A:GLY:H	1:70:A:ALA:O	11	0.11
(2,90)	1:43:A:ASN:H	1:39:A:SER:O	20	0.11
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	7	0.11
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	15	0.11
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	2	0.11
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	3	0.11
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	4	0.11
(2,87)	1:24:A:ARG:N	1:20:A:GLN:O	14	0.11
(2,86)	1:57:A:THR:H	1:72:A:GLY:O	8	0.11
(2,85)	1:57:A:THR:N	1:72:A:GLY:O	11	0.11
(2,82)	1:84:A:LYS:H	1:100:A:SER:O	18	0.11
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	15	0.11
(2,81)	1:84:A:LYS:N	1:100:A:SER:O	20	0.11
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	3	0.11
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	5	0.11
(2,73)	1:90:A:ALA:N	1:94:A:ASP:O	14	0.11
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	1	0.11
(2,69)	1:44:A:SER:N	1:40:A:ALA:O	6	0.11
(2,67)	1:40:A:ALA:N	1:36:A:LEU:O	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	19	0.11
(2,57)	1:39:A:SER:N	1:35:A:GLY:O	20	0.11
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	5	0.11
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	10	0.11
(2,55)	1:32:A:VAL:N	1:28:A:LEU:O	20	0.11
(2,52)	1:36:A:LEU:H	1:32:A:VAL:O	6	0.11
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	2	0.11
(2,50)	1:33:A:ASP:H	1:29:A:ASP:O	6	0.11
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	10	0.11
(2,49)	1:33:A:ASP:N	1:29:A:ASP:O	14	0.11
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	2	0.11
(2,48)	1:74:A:GLY:H	1:55:A:ASN:O	9	0.11
(2,46)	1:82:A:ALA:H	1:102:A:ASN:O	20	0.11
(2,45)	1:82:A:ALA:N	1:102:A:ASN:O	20	0.11
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	5	0.11
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	4	0.11
(2,40)	1:73:A:SER:H	1:85:A:ALA:O	6	0.11
(2,37)	1:42:A:LEU:N	1:39:A:SER:O	20	0.11
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	5	0.11
(2,35)	1:31:A:ARG:N	1:27:A:LYS:O	11	0.11
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	7	0.11
(2,34)	1:55:A:ASN:H	1:74:A:GLY:O	11	0.11
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	1	0.11
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	6	0.11
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	3	0.11
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	9	0.11
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	2	0.11
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	8	0.11
(2,21)	1:53:A:LYS:N	1:76:A:ARG:O	15	0.11
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	2	0.11
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	4	0.11
(2,15)	1:94:A:ASP:N	1:90:A:ALA:O	5	0.11
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	18	0.11
(2,11)	1:72:A:GLY:N	1:57:A:THR:O	15	0.11
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	14	0.11
(2,8)	1:89:A:TYR:H	1:69:A:LEU:O	17	0.11
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	13	0.11
(2,5)	1:27:A:LYS:N	1:23:A:ASN:O	2	0.11
(2,3)	1:30:A:THR:N	1:26:A:ASP:O	15	0.11
(1,3958)	1:28:C:LEU:CD2	1:30:B:THR:CA	16	0.11
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	5	0.11
(1,3863)	1:28:C:LEU:CD2	1:31:C:ARG:N	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3862)	1:77:C:VAL:CB	1:79:C:GLU:CB	14	0.11
(1,3833)	1:48:C:PRO:CA	1:49:C:TYR:CE1	15	0.11
(1,3819)	1:51:C:VAL:CG1	1:79:C:GLU:CD	19	0.11
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	7	0.11
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	5	0.11
(1,3765)	1:28:B:LEU:CD2	1:30:A:THR:CA	16	0.11
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	5	0.11
(1,3670)	1:28:B:LEU:CD2	1:31:B:ARG:N	12	0.11
(1,3669)	1:77:B:VAL:CB	1:79:B:GLU:CB	14	0.11
(1,3640)	1:48:B:PRO:CA	1:49:B:TYR:CE1	15	0.11
(1,3626)	1:51:B:VAL:CG1	1:79:B:GLU:CD	19	0.11
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	7	0.11
(1,3572)	1:28:A:LEU:CD2	1:30:C:THR:CA	16	0.11
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	5	0.11
(1,3478)	1:28:A:LEU:CD2	1:31:A:ARG:N	12	0.11
(1,3477)	1:77:A:VAL:CB	1:79:A:GLU:CB	14	0.11
(1,3434)	1:51:A:VAL:CG1	1:79:A:GLU:CD	19	0.11
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	7	0.11
(1,3385)	1:57:C:THR:CB	1:100:A:SER:CA	20	0.11
(1,3357)	1:57:C:THR:CB	1:103:A:ILE:C	16	0.11
(1,3344)	1:63:C:TYR:CA	1:95:A:VAL:CA	19	0.11
(1,3334)	1:62:C:GLY:C	1:95:A:VAL:CA	1	0.11
(1,3304)	1:57:B:THR:CB	1:100:C:SER:CA	20	0.11
(1,3276)	1:57:B:THR:CB	1:103:C:ILE:C	16	0.11
(1,3263)	1:63:B:TYR:CA	1:95:C:VAL:CA	19	0.11
(1,3253)	1:62:B:GLY:C	1:95:C:VAL:CA	1	0.11
(1,3223)	1:57:A:THR:CB	1:100:B:SER:CA	20	0.11
(1,3195)	1:57:A:THR:CB	1:103:B:ILE:C	16	0.11
(1,3182)	1:63:A:TYR:CA	1:95:B:VAL:CA	19	0.11
(1,3172)	1:62:A:GLY:C	1:95:B:VAL:CA	1	0.11
(1,3151)	1:45:C:LEU:HA	1:46:C:PHE:HA	1	0.11
(1,3151)	1:45:C:LEU:HA	1:46:C:PHE:HA	4	0.11
(1,3026)	1:77:C:VAL:CA	1:80:C:SER:CA	12	0.11
(1,3013)	1:20:C:GLN:CG	1:22:C:ASP:CA	1	0.11
(1,2966)	1:27:C:LYS:CD	1:29:C:ASP:CA	9	0.11
(1,2876)	1:79:C:GLU:CB	1:81:C:VAL:CA	1	0.11
(1,2796)	1:27:C:LYS:CB	1:28:C:LEU:CG	2	0.11
(1,2770)	1:20:C:GLN:CA	1:22:C:ASP:CB	7	0.11
(1,2752)	1:20:C:GLN:C	1:24:C:ARG:CG	6	0.11
(1,2711)	1:73:C:SER:HB2	1:85:C:ALA:H	16	0.11
(1,2682)	1:71:C:ILE:CB	1:87:C:VAL:CG1	8	0.11
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2677)	1:58:C:ALA:CA	1:71:C:ILE:CG1	18	0.11
(1,2573)	1:70:C:ALA:CB	1:87:C:VAL:CB	20	0.11
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	16	0.11
(1,2431)	1:56:C:PHE:CA	1:71:C:ILE:CD1	1	0.11
(1,2298)	1:96:C:MET:CA	1:97:C:TYR:CB	1	0.11
(1,2287)	1:75:C:TYR:CB	1:76:C:ARG:CA	9	0.11
(1,2286)	1:57:C:THR:C	1:72:C:GLY:CA	13	0.11
(1,2213)	1:84:C:LYS:H	1:100:C:SER:HB2	6	0.11
(1,2212)	1:75:C:TYR:CB	1:77:C:VAL:CG2	7	0.11
(1,2159)	1:40:C:ALA:N	1:43:C:ASN:CA	19	0.11
(1,2094)	1:45:B:LEU:HA	1:46:B:PHE:HA	1	0.11
(1,2094)	1:45:B:LEU:HA	1:46:B:PHE:HA	4	0.11
(1,1969)	1:77:B:VAL:CA	1:80:B:SER:CA	12	0.11
(1,1956)	1:20:B:GLN:CG	1:22:B:ASP:CA	1	0.11
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	9	0.11
(1,1819)	1:79:B:GLU:CB	1:81:B:VAL:CA	1	0.11
(1,1739)	1:27:B:LYS:CB	1:28:B:LEU:CG	2	0.11
(1,1713)	1:20:B:GLN:CA	1:22:B:ASP:CB	7	0.11
(1,1695)	1:20:B:GLN:C	1:24:B:ARG:CG	6	0.11
(1,1665)	1:101:B:PHE:CE2	1:102:B:ASN:C	12	0.11
(1,1654)	1:73:B:SER:HB2	1:85:B:ALA:H	16	0.11
(1,1625)	1:71:B:ILE:CB	1:87:B:VAL:CG1	8	0.11
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	18	0.11
(1,1516)	1:70:B:ALA:CB	1:87:B:VAL:CB	20	0.11
(1,1374)	1:56:B:PHE:CA	1:71:B:ILE:CD1	1	0.11
(1,1241)	1:96:B:MET:CA	1:97:B:TYR:CB	1	0.11
(1,1230)	1:75:B:TYR:CB	1:76:B:ARG:CA	9	0.11
(1,1229)	1:57:B:THR:C	1:72:B:GLY:CA	13	0.11
(1,1227)	1:100:B:SER:CA	1:101:B:PHE:CB	16	0.11
(1,1156)	1:84:B:LYS:H	1:100:B:SER:HB2	6	0.11
(1,1155)	1:75:B:TYR:CB	1:77:B:VAL:CG2	7	0.11
(1,1102)	1:40:B:ALA:N	1:43:B:ASN:CA	19	0.11
(1,1037)	1:45:A:LEU:HA	1:46:A:PHE:HA	1	0.11
(1,1037)	1:45:A:LEU:HA	1:46:A:PHE:HA	4	0.11
(1,964)	1:36:A:LEU:C	1:63:A:TYR:C	20	0.11
(1,912)	1:77:A:VAL:CA	1:80:A:SER:CA	12	0.11
(1,899)	1:20:A:GLN:CG	1:22:A:ASP:CA	1	0.11
(1,852)	1:27:A:LYS:CD	1:29:A:ASP:CA	9	0.11
(1,762)	1:79:A:GLU:CB	1:81:A:VAL:CA	1	0.11
(1,682)	1:27:A:LYS:CB	1:28:A:LEU:CG	2	0.11
(1,656)	1:20:A:GLN:CA	1:22:A:ASP:CB	7	0.11
(1,638)	1:20:A:GLN:C	1:24:A:ARG:CG	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:73:A:SER:HB2	1:85:A:ALA:H	16	0.11
(1,568)	1:71:A:ILE:CB	1:87:A:VAL:CG1	8	0.11
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	18	0.11
(1,459)	1:70:A:ALA:CB	1:87:A:VAL:CB	20	0.11
(1,317)	1:56:A:PHE:CA	1:71:A:ILE:CD1	1	0.11
(1,184)	1:96:A:MET:CA	1:97:A:TYR:CB	1	0.11
(1,173)	1:75:A:TYR:CB	1:76:A:ARG:CA	9	0.11
(1,172)	1:57:A:THR:C	1:72:A:GLY:CA	13	0.11
(1,170)	1:100:A:SER:CA	1:101:A:PHE:CB	16	0.11
(1,99)	1:84:A:LYS:H	1:100:A:SER:HB2	6	0.11
(1,98)	1:75:A:TYR:CB	1:77:A:VAL:CG2	7	0.11
(1,45)	1:40:A:ALA:N	1:43:A:ASN:CA	19	0.11
(2,362)	1:100:C:SER:H	1:84:C:LYS:O	16	0.1
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	10	0.1
(2,356)	1:88:C:ALA:H	1:96:C:MET:O	20	0.1
(2,351)	1:17:C:LYS:N	1:13:C:LYS:O	8	0.1
(2,346)	1:26:C:ASP:H	1:22:C:ASP:O	12	0.1
(2,345)	1:26:C:ASP:N	1:22:C:ASP:O	10	0.1
(2,340)	1:66:C:SER:H	1:63:C:TYR:O	20	0.1
(2,335)	1:102:C:ASN:N	1:82:C:ALA:O	8	0.1
(2,333)	1:43:C:ASN:N	1:39:C:SER:O	17	0.1
(2,324)	1:29:C:ASP:H	1:25:C:LEU:O	18	0.1
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	2	0.1
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	9	0.1
(2,321)	1:21:C:LEU:N	1:17:C:LYS:O	14	0.1
(2,319)	1:63:C:TYR:N	1:66:C:SER:O	9	0.1
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	11	0.1
(2,315)	1:35:C:GLY:N	1:31:C:ARG:O	20	0.1
(2,307)	1:23:C:ASN:N	1:19:C:ARG:O	2	0.1
(2,305)	1:86:C:GLY:N	1:98:C:ASN:O	12	0.1
(2,302)	1:39:C:SER:H	1:35:C:GLY:O	2	0.1
(2,285)	1:28:C:LEU:N	1:24:C:ARG:O	2	0.1
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	17	0.1
(2,275)	1:104:C:GLU:N	1:80:C:SER:O	19	0.1
(2,274)	1:76:C:ARG:H	1:53:C:LYS:O	12	0.1
(2,271)	1:20:C:GLN:N	1:16:C:HIS:O	17	0.1
(2,267)	1:22:C:ASP:N	1:18:C:PHE:O	5	0.1
(2,263)	1:70:C:ALA:N	1:59:C:GLY:O	11	0.1
(2,261)	1:25:C:LEU:N	1:21:C:LEU:O	1	0.1
(2,256)	1:72:C:GLY:H	1:57:C:THR:O	1	0.1
(2,253)	1:42:C:LEU:N	1:38:C:SER:O	3	0.1
(2,251)	1:89:C:TYR:N	1:69:C:LEU:O	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:100:B:SER:H	1:84:B:LYS:O	16	0.1
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	10	0.1
(2,234)	1:88:B:ALA:H	1:96:B:MET:O	20	0.1
(2,231)	1:98:B:ASN:N	1:86:B:GLY:O	18	0.1
(2,229)	1:17:B:LYS:N	1:13:B:LYS:O	8	0.1
(2,224)	1:26:B:ASP:H	1:22:B:ASP:O	12	0.1
(2,223)	1:26:B:ASP:N	1:22:B:ASP:O	10	0.1
(2,218)	1:66:B:SER:H	1:63:B:TYR:O	20	0.1
(2,213)	1:102:B:ASN:N	1:82:B:ALA:O	8	0.1
(2,211)	1:43:B:ASN:N	1:39:B:SER:O	17	0.1
(2,202)	1:29:B:ASP:H	1:25:B:LEU:O	18	0.1
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	2	0.1
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	9	0.1
(2,199)	1:21:B:LEU:N	1:17:B:LYS:O	14	0.1
(2,197)	1:63:B:TYR:N	1:66:B:SER:O	9	0.1
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	11	0.1
(2,193)	1:35:B:GLY:N	1:31:B:ARG:O	20	0.1
(2,185)	1:23:B:ASN:N	1:19:B:ARG:O	2	0.1
(2,183)	1:86:B:GLY:N	1:98:B:ASN:O	12	0.1
(2,180)	1:39:B:SER:H	1:35:B:GLY:O	2	0.1
(2,179)	1:39:B:SER:N	1:35:B:GLY:O	9	0.1
(2,163)	1:28:B:LEU:N	1:24:B:ARG:O	2	0.1
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	17	0.1
(2,153)	1:104:B:GLU:N	1:80:B:SER:O	19	0.1
(2,152)	1:76:B:ARG:H	1:53:B:LYS:O	12	0.1
(2,149)	1:20:B:GLN:N	1:16:B:HIS:O	17	0.1
(2,145)	1:22:B:ASP:N	1:18:B:PHE:O	5	0.1
(2,143)	1:53:B:LYS:N	1:76:B:ARG:O	2	0.1
(2,141)	1:70:B:ALA:N	1:59:B:GLY:O	11	0.1
(2,139)	1:25:B:LEU:N	1:21:B:LEU:O	1	0.1
(2,134)	1:72:B:GLY:H	1:57:B:THR:O	1	0.1
(2,131)	1:42:B:LEU:N	1:38:B:SER:O	3	0.1
(2,129)	1:89:B:TYR:N	1:69:B:LEU:O	9	0.1
(2,118)	1:100:A:SER:H	1:84:A:LYS:O	16	0.1
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	10	0.1
(2,112)	1:88:A:ALA:H	1:96:A:MET:O	20	0.1
(2,110)	1:98:A:ASN:H	1:86:A:GLY:O	12	0.1
(2,102)	1:26:A:ASP:H	1:22:A:ASP:O	12	0.1
(2,101)	1:26:A:ASP:N	1:22:A:ASP:O	10	0.1
(2,96)	1:66:A:SER:H	1:63:A:TYR:O	20	0.1
(2,91)	1:102:A:ASN:N	1:82:A:ALA:O	8	0.1
(2,89)	1:43:A:ASN:N	1:39:A:SER:O	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:29:A:ASP:H	1:25:A:LEU:O	18	0.1
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	2	0.1
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	9	0.1
(2,77)	1:21:A:LEU:N	1:17:A:LYS:O	14	0.1
(2,75)	1:63:A:TYR:N	1:66:A:SER:O	9	0.1
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	2	0.1
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	11	0.1
(2,71)	1:35:A:GLY:N	1:31:A:ARG:O	20	0.1
(2,63)	1:23:A:ASN:N	1:19:A:ARG:O	2	0.1
(2,61)	1:86:A:GLY:N	1:98:A:ASN:O	12	0.1
(2,58)	1:39:A:SER:H	1:35:A:GLY:O	2	0.1
(2,41)	1:28:A:LEU:N	1:24:A:ARG:O	2	0.1
(2,32)	1:104:A:GLU:H	1:80:A:SER:O	11	0.1
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	17	0.1
(2,31)	1:104:A:GLU:N	1:80:A:SER:O	19	0.1
(2,30)	1:76:A:ARG:H	1:53:A:LYS:O	12	0.1
(2,27)	1:20:A:GLN:N	1:16:A:HIS:O	17	0.1
(2,23)	1:22:A:ASP:N	1:18:A:PHE:O	5	0.1
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	10	0.1
(2,19)	1:70:A:ALA:N	1:59:A:GLY:O	11	0.1
(2,17)	1:25:A:LEU:N	1:21:A:LEU:O	1	0.1
(2,12)	1:72:A:GLY:H	1:57:A:THR:O	1	0.1
(2,9)	1:42:A:LEU:N	1:38:A:SER:O	3	0.1
(2,7)	1:89:A:TYR:N	1:69:A:LEU:O	9	0.1
(1,3932)	1:21:C:LEU:CD1	1:23:C:ASN:CB	9	0.1
(1,3895)	1:41:C:ALA:CB	1:42:C:LEU:CD2	9	0.1
(1,3868)	1:76:C:ARG:CG	1:78:C:ASN:CA	11	0.1
(1,3802)	1:76:C:ARG:CD	1:104:C:GLU:CG	10	0.1
(1,3702)	1:41:B:ALA:CB	1:42:B:LEU:CD2	9	0.1
(1,3675)	1:76:B:ARG:CG	1:78:B:ASN:CA	11	0.1
(1,3609)	1:76:B:ARG:CD	1:104:B:GLU:CG	10	0.1
(1,3510)	1:41:A:ALA:CB	1:42:A:LEU:CD2	9	0.1
(1,3483)	1:76:A:ARG:CG	1:78:A:ASN:CA	11	0.1
(1,3417)	1:76:A:ARG:CD	1:104:A:GLU:CG	10	0.1
(1,2936)	1:41:C:ALA:CB	1:42:C:LEU:CG	12	0.1
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	10	0.1
(1,2748)	1:29:C:ASP:C	1:32:C:VAL:CA	14	0.1
(1,2588)	1:55:C:ASN:CA	1:57:C:THR:C	4	0.1
(1,2477)	1:76:C:ARG:CG	1:77:C:VAL:CB	18	0.1
(1,2262)	1:94:C:ASP:N	1:95:C:VAL:C	4	0.1
(1,2214)	1:89:C:TYR:CA	1:95:C:VAL:CA	13	0.1
(1,1909)	1:27:B:LYS:CD	1:29:B:ASP:CA	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:41:B:ALA:CB	1:42:B:LEU:CG	12	0.1
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	10	0.1
(1,1691)	1:29:B:ASP:C	1:32:B:VAL:CA	14	0.1
(1,1620)	1:58:B:ALA:CA	1:71:B:ILE:CG1	11	0.1
(1,1531)	1:55:B:ASN:CA	1:57:B:THR:C	4	0.1
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	16	0.1
(1,1420)	1:76:B:ARG:CG	1:77:B:VAL:CB	18	0.1
(1,1205)	1:94:B:ASP:N	1:95:B:VAL:C	4	0.1
(1,1157)	1:89:B:TYR:CA	1:95:B:VAL:CA	13	0.1
(1,822)	1:41:A:ALA:CB	1:42:A:LEU:CG	12	0.1
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	10	0.1
(1,634)	1:29:A:ASP:C	1:32:A:VAL:CA	14	0.1
(1,563)	1:58:A:ALA:CA	1:71:A:ILE:CG1	11	0.1
(1,474)	1:55:A:ASN:CA	1:57:A:THR:C	4	0.1
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	16	0.1
(1,363)	1:76:A:ARG:CG	1:77:A:VAL:CB	18	0.1
(1,148)	1:94:A:ASP:N	1:95:A:VAL:C	4	0.1
(1,100)	1:89:A:TYR:CA	1:95:A:VAL:CA	13	0.1

10 Dihedral-angle violation analysis

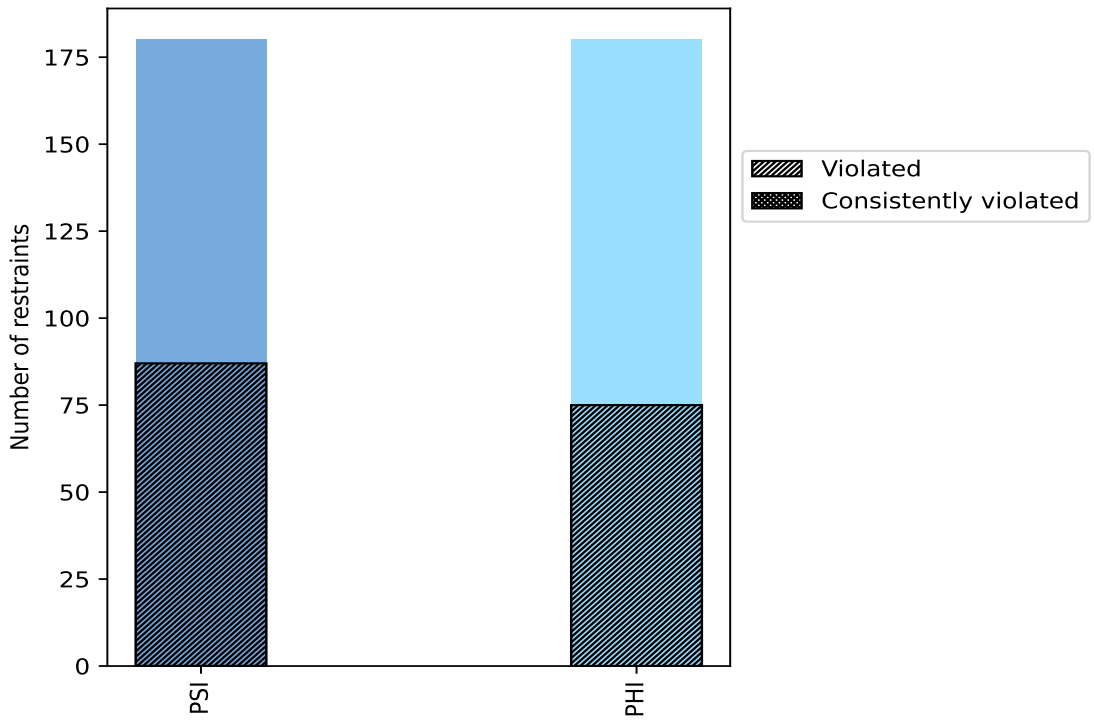
10.1 Summary of dihedral-angle violations

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	180	50.0	87	48.3	24.2	0	0.0	0.0
PHI	180	50.0	75	41.7	20.8	0	0.0	0.0
Total	360	100.0	162	45.0	45.0	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



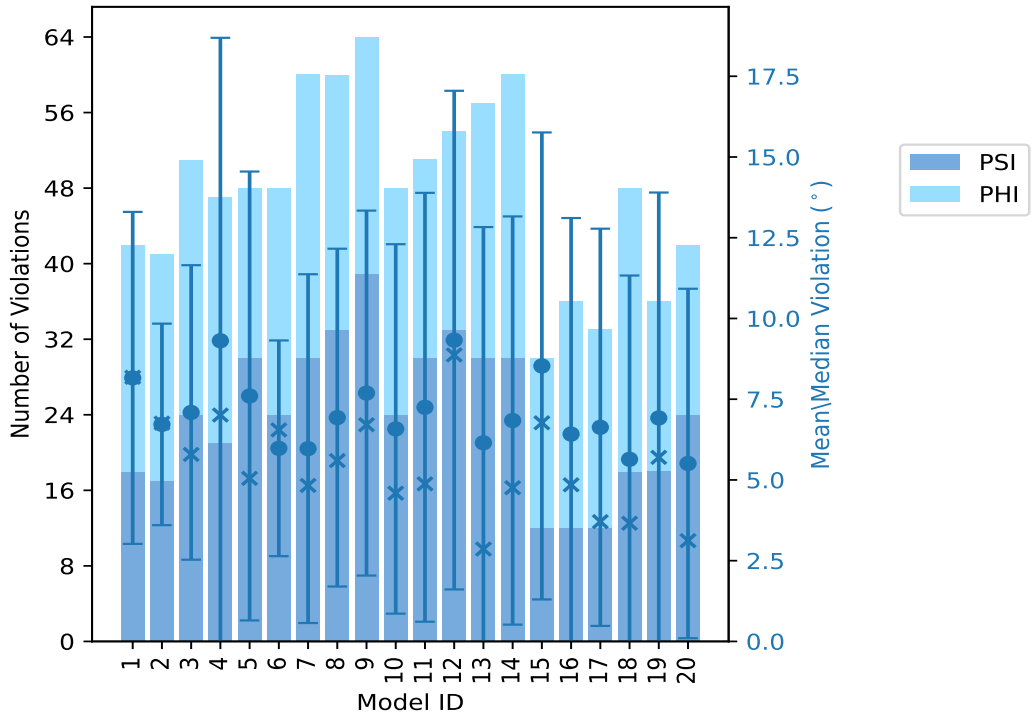
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	18	24	42	8.16	18.99	5.14	8.18
2	17	24	41	6.72	14.38	3.12	6.76
3	24	27	51	7.09	17.06	4.56	5.79
4	21	26	47	9.31	38.84	9.38	7.01
5	30	18	48	7.6	25.52	6.95	5.05
6	24	24	48	5.98	13.08	3.34	6.55
7	30	30	60	5.97	26.51	5.4	4.83
8	33	27	60	6.93	22.01	5.23	5.6
9	39	25	64	7.69	22.98	5.65	6.71
10	24	24	48	6.58	25.63	5.72	4.59
11	30	21	51	7.25	24.95	6.64	4.88
12	33	21	54	9.33	28.38	7.72	8.87
13	30	27	57	6.15	24.44	6.68	2.86
14	30	30	60	6.84	27.81	6.32	4.76
15	12	18	30	8.53	28.89	7.23	6.77
16	12	24	36	6.42	26.24	6.69	4.85
17	12	21	33	6.63	23.53	6.15	3.71
18	18	30	48	5.64	22.03	5.69	3.66
19	18	18	36	6.92	28.88	6.98	5.7
20	24	18	42	5.51	17.89	5.41	3.12

10.2.1 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

10.3 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]	%
27	12	39	1	5.0
6	7	13	2	10.0
6	11	17	3	15.0
0	9	9	4	20.0
6	3	9	5	25.0
6	5	11	6	30.0
7	4	11	7	35.0
5	0	5	8	40.0
6	9	15	9	45.0
6	0	6	10	50.0
3	0	3	11	55.0

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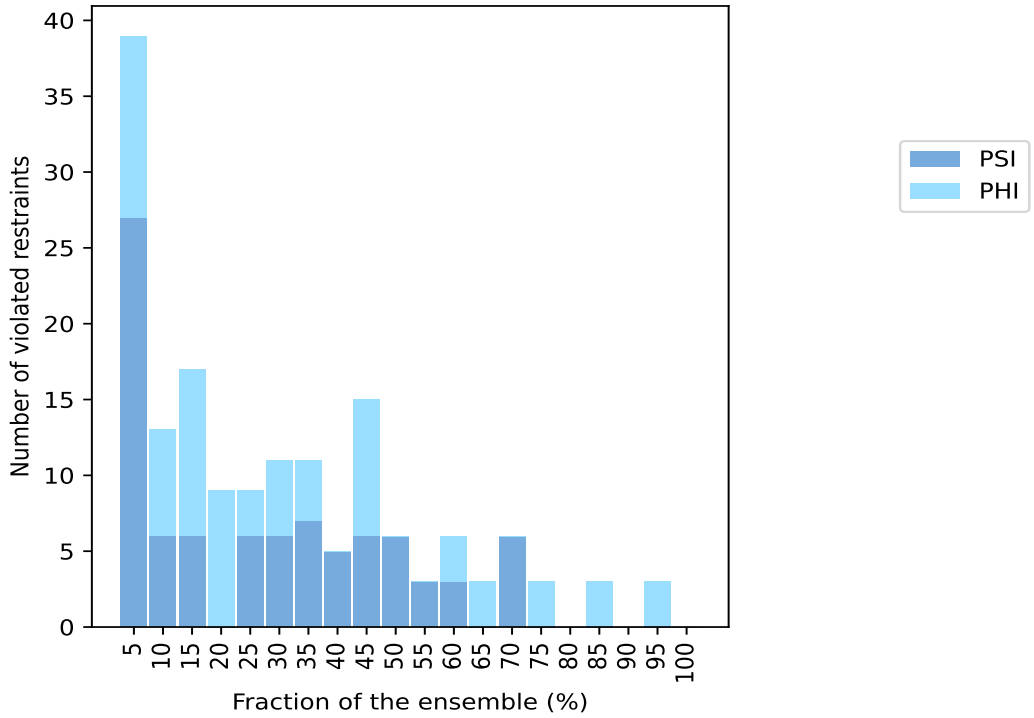
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
3	3	6	12	60.0
0	3	3	13	65.0
6	0	6	14	70.0
0	3	3	15	75.0
0	0	0	16	80.0
0	3	3	17	85.0
0	0	0	18	90.0
0	3	3	19	95.0
0	0	0	20	100.0

[1] Number of models with violations

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

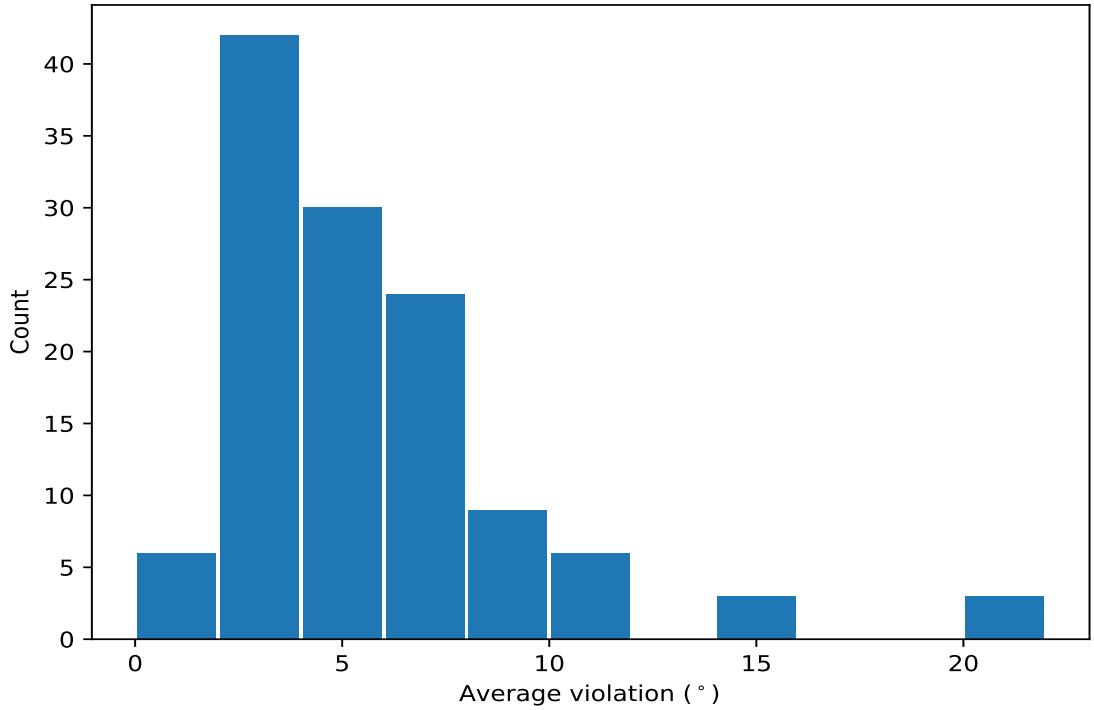


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	19	20.41	7.65	23.44
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	19	20.41	7.65	23.42
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	19	20.4	7.65	23.53
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	17	8.72	4.21	8.13
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	17	8.72	4.2	8.15
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	17	8.72	4.18	8.11
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	15	7.61	4.34	6.19
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	15	7.6	4.37	6.01
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	15	7.59	4.34	6.11
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	14	7.55	4.05	7.74
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	14	7.54	4.07	7.74
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	14	7.53	4.06	7.78
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	14	7.04	3.38	6.72
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	14	7.02	3.4	6.7
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	14	7.02	3.37	6.72
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	13	11.69	8.29	13.2
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	13	11.69	8.29	13.19
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	13	11.68	8.29	13.17
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	12	10.8	7.15	10.11
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	12	10.79	7.15	10.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	12	10.77	7.16	10.07
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	12	4.65	2.15	3.82
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	12	4.65	2.16	3.82
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	12	4.64	2.13	3.85
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	11	5.39	3.97	4.61
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	11	5.38	3.93	4.64
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	11	5.37	3.94	4.65
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	10	6.53	3.92	6.46
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	10	6.53	3.89	6.4
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	10	6.52	3.91	6.42
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	10	4.65	2.78	4.66
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	10	4.63	2.76	4.66
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	10	4.62	2.79	4.61
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	9	8.41	3.05	8.39
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	9	8.4	3.05	8.33
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	9	8.39	3.1	8.45
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	9	7.85	6.29	5.94
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	9	7.85	6.3	5.92
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	9	7.84	6.31	5.79
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	9	5.5	2.09	5.87
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	9	5.5	2.09	5.79
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	9	5.49	2.11	5.78
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	9	4.62	1.59	4.96
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	9	4.6	1.61	4.99
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	9	4.59	1.6	4.95
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	9	3.78	3.13	3.49
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	9	3.77	3.14	3.42
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	9	3.76	3.14	3.45
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	8	2.88	1.27	2.8
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	8	2.84	1.26	2.82
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	8	2.69	1.46	2.13
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	8	2.67	1.47	2.1
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	8	2.65	1.47	2.03
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	7	15.77	10.88	14.36
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	7	15.76	10.87	14.35
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	7	15.75	10.87	14.38
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	7	6.61	5.06	5.47
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	7	6.6	5.07	5.41
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	7	6.57	5.07	5.34
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	7	5.01	3.91	3.59
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	7	5.0	3.94	3.63
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	7	5.0	3.94	3.61
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	7	3.09	1.14	3.3
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	7	2.96	1.43	2.28
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	6	8.62	4.1	8.11
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	6	8.6	4.13	8.09
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	6	8.59	4.09	8.07
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	6	6.82	3.0	7.12
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	6	6.8	2.98	7.08
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	6	6.79	3.0	7.06
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	6	4.45	2.11	4.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	6	4.43	2.08	4.22
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	6	4.41	2.08	4.16
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	6	3.28	1.33	2.84
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	6	3.27	1.33	2.84
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	5	3.85	1.98	3.61
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	5	3.84	1.96	3.61
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	5	3.83	1.96	3.6
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	5	3.71	1.21	3.38
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	5	3.69	1.21	3.36
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	5	3.69	1.19	3.29
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	5	2.41	1.49	1.45
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	5	2.39	1.5	1.47
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	5	2.38	1.51	1.45
(1,274)	1:66:C:SER:C	1:67:C:GLN:N	1:67:C:GLN:CA	1:67:C:GLN:C	4	4.48	1.83	4.52
(1,34)	1:66:A:SER:C	1:67:A:GLN:N	1:67:A:GLN:CA	1:67:A:GLN:C	4	4.44	1.78	4.46
(1,154)	1:66:B:SER:C	1:67:B:GLN:N	1:67:B:GLN:CA	1:67:B:GLN:C	4	4.44	1.77	4.5
(1,130)	1:24:B:ARG:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	4	3.2	0.49	3.22
(1,10)	1:24:A:ARG:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	4	3.16	0.51	3.18
(1,250)	1:24:C:ARG:C	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	4	3.16	0.56	3.2
(1,263)	1:41:C:ALA:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	4	2.93	1.18	3.01
(1,23)	1:41:A:ALA:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	4	2.91	1.16	2.91
(1,143)	1:41:B:ALA:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	4	2.9	1.18	2.96
(1,116)	1:97:A:TYR:N	1:97:A:TYR:CA	1:97:A:TYR:C	1:98:A:ASN:N	3	6.41	3.53	3.98
(1,236)	1:97:B:TYR:N	1:97:B:TYR:CA	1:97:B:TYR:C	1:98:B:ASN:N	3	6.36	3.5	3.94
(1,356)	1:97:C:TYR:N	1:97:C:TYR:CA	1:97:C:TYR:C	1:98:C:ASN:N	3	6.34	3.5	3.93
(1,18)	1:32:A:VAL:C	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	3	4.51	1.65	4.3
(1,138)	1:32:B:VAL:C	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	3	4.5	1.65	4.22
(1,258)	1:32:C:VAL:C	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	3	4.49	1.61	4.3
(1,137)	1:31:B:ARG:C	1:32:B:VAL:N	1:32:B:VAL:CA	1:32:B:VAL:C	3	4.26	2.87	2.74
(1,17)	1:31:A:ARG:C	1:32:A:VAL:N	1:32:A:VAL:CA	1:32:A:VAL:C	3	4.22	2.97	2.7
(1,257)	1:31:C:ARG:C	1:32:C:VAL:N	1:32:C:VAL:CA	1:32:C:VAL:C	3	4.22	2.95	2.64
(1,315)	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	1:31:C:ARG:N	3	2.86	0.36	2.66
(1,195)	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	1:31:B:ARG:N	3	2.85	0.37	2.65
(1,75)	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	1:31:A:ARG:N	3	2.79	0.33	2.57
(1,1)	1:15:A:ALA:C	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	3	2.36	0.98	1.97
(1,241)	1:15:C:ALA:C	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	3	2.35	1.0	1.95
(1,121)	1:15:B:ALA:C	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	3	2.32	0.95	1.93
(1,46)	1:82:A:ALA:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	3	1.4	0.35	1.23
(1,166)	1:82:B:ALA:C	1:83:B:LEU:N	1:83:B:LEU:CA	1:83:B:LEU:C	3	1.36	0.35	1.13
(1,196)	1:31:B:ARG:N	1:31:B:ARG:CA	1:31:B:ARG:C	1:32:B:VAL:N	2	3.0	1.88	3.0
(1,316)	1:31:C:ARG:N	1:31:C:ARG:CA	1:31:C:ARG:C	1:32:C:VAL:N	2	3.0	1.96	3.0
(1,76)	1:31:A:ARG:N	1:31:A:ARG:CA	1:31:A:ARG:C	1:32:A:VAL:N	2	2.94	1.92	2.94
(1,193)	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	1:29:B:ASP:N	2	2.64	1.02	2.64
(1,73)	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	1:29:A:ASP:N	2	2.56	1.04	2.56
(1,313)	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	1:29:C:ASP:N	2	2.56	1.02	2.56
(1,59)	1:102:A:ASN:C	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	2	2.35	0.53	2.35
(1,299)	1:102:C:ASN:C	1:103:C:ILE:N	1:103:C:ILE:CA	1:103:C:ILE:C	2	2.33	0.51	2.33
(1,179)	1:102:B:ASN:C	1:103:B:ILE:N	1:103:B:ILE:CA	1:103:B:ILE:C	2	2.32	0.58	2.32
(1,124)	1:18:B:PHE:C	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	2	1.53	0.3	1.53
(1,244)	1:18:C:PHE:C	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	2	1.5	0.37	1.5
(1,4)	1:18:A:PHE:C	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	2	1.49	0.38	1.49

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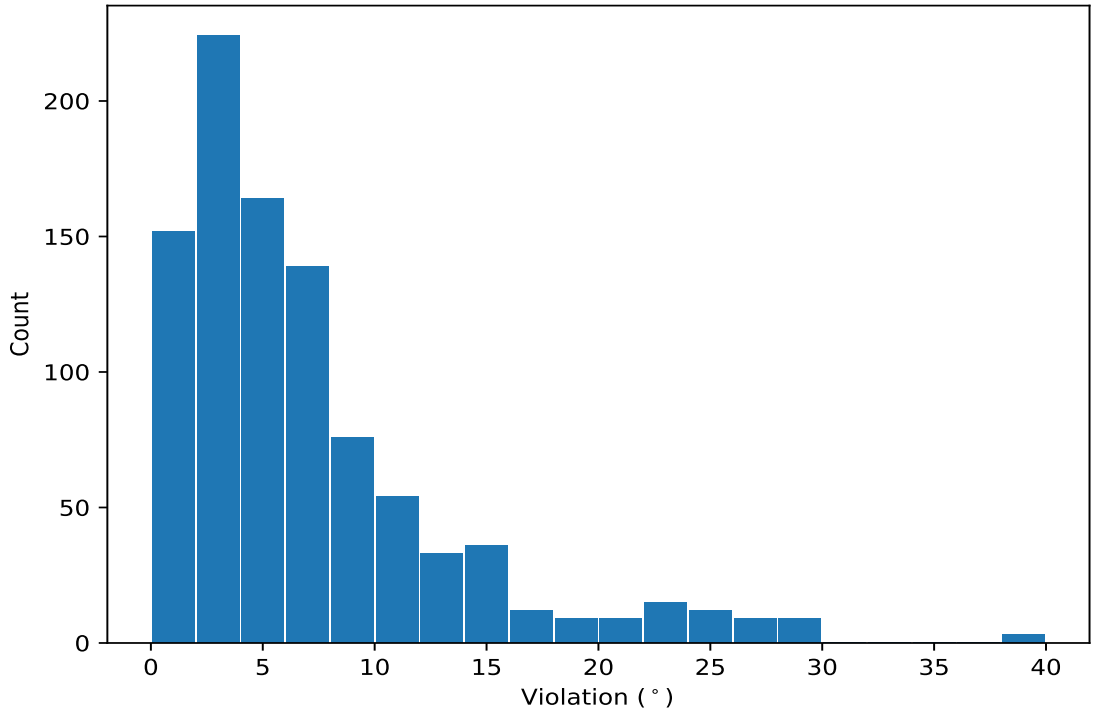
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,286)	1:82:C:ALA:C	1:83:C:LEU:N	1:83:C:LEU:CA	1:83:C:LEU:C	2	1.47	0.38	1.47

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 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 (°)
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	4	38.84
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	4	38.81
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	4	38.79
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	15	28.89
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	19	28.88
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	19	28.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	19	28.86
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	15	28.86
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	15	28.83
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	12	28.38
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	12	28.36
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	12	28.36
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	14	27.81
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	14	27.73
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	14	27.73
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	7	26.51
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	7	26.46
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	7	26.35
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	16	26.24
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	16	26.24
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	16	26.17
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	10	25.63
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	10	25.55
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	5	25.52
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	10	25.51
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	5	25.42
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	5	25.41
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	11	24.95
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	11	24.91
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	11	24.84
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	13	24.44
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	13	24.34
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	13	24.32
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	12	23.8
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	12	23.76
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	12	23.73
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	17	23.53
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	17	23.44
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	17	23.42
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	9	22.98
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	9	22.92
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	9	22.84
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	13	22.22
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	13	22.17
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	13	22.14
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	18	22.03
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	8	22.01
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	18	22.0
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	8	21.99
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	18	21.97
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	8	21.93
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	5	21.92
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	5	21.9
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	5	21.87
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	9	21.47
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	9	21.46
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	9	21.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	4	19.36
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	4	19.31
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	4	19.3
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	1	18.99
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	1	18.96
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	1	18.94
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	12	18.33
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	12	18.32
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	12	18.32
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	20	17.89
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	4	17.88
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	4	17.86
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	20	17.83
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	20	17.81
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	4	17.8
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	11	17.27
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	11	17.22
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	11	17.22
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	3	17.06
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	3	17.03
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	3	17.0
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	14	15.98
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	8	15.95
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	14	15.94
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	10	15.92
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	10	15.91
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	8	15.9
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	10	15.89
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	8	15.87
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	14	15.84
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	18	15.43
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	20	15.42
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	20	15.41
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	18	15.38
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	18	15.34
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	20	15.33
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	12	15.1
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	12	15.01
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	12	14.97
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	5	14.9
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	5	14.89
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	5	14.8
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	11	14.39
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	11	14.39
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	2	14.38
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	11	14.36
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	2	14.36
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	2	14.35
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	3	14.31
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	3	14.29
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	3	14.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1	14.28
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1	14.23
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	13	14.19
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	13	14.17
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1	14.17
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	13	14.15
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	11	13.99
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	8	13.92
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	11	13.9
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	11	13.88
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	8	13.83
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	8	13.81
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	4	13.49
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	4	13.42
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	4	13.41
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	7	13.2
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	14	13.2
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	7	13.19
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	7	13.17
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	14	13.08
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	6	13.08
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	14	13.05
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	6	13.02
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	6	13.01
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	20	13.0
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	20	12.91
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	20	12.88
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	14	12.61
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	14	12.61
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	14	12.57
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	16	12.53
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	16	12.47
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	16	12.4
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	3	12.27
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	3	12.27
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	3	12.26
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	15	12.24
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	15	12.22
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	15	12.2
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1	11.9
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1	11.86
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1	11.85
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	12	11.81
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	9	11.81
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	9	11.79
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	12	11.78
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	12	11.76
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	9	11.75
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	8	11.73
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	1	11.7
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	1	11.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	1	11.68
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	8	11.63
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1	11.58
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	8	11.58
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	17	11.57
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1	11.56
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1	11.51
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	17	11.49
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	17	11.48
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	11	11.4
(1,116)	1:97:A:TYR:N	1:97:A:TYR:CA	1:97:A:TYR:C	1:98:A:ASN:N	9	11.4
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	11	11.39
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	11	11.39
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	9	11.34
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	18	11.32
(1,236)	1:97:B:TYR:N	1:97:B:TYR:CA	1:97:B:TYR:C	1:98:B:ASN:N	9	11.31
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	18	11.31
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	9	11.3
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	9	11.3
(1,356)	1:97:C:TYR:N	1:97:C:TYR:CA	1:97:C:TYR:C	1:98:C:ASN:N	9	11.29
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	18	11.26
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	6	11.23
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	6	11.22
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	6	11.19
(1,343)	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	1:77:C:VAL:N	12	10.81
(1,103)	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	1:77:A:VAL:N	12	10.81
(1,223)	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	1:77:B:VAL:N	12	10.72
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	1	10.6
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	9	10.58
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	1	10.58
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	9	10.53
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	14	10.52
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	3	10.52
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	1	10.52
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	3	10.5
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	9	10.49
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	14	10.47
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	14	10.46
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	3	10.42
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	12	10.27
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	12	10.26
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	12	10.14
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	12	9.87
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	12	9.85
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	12	9.83
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	3	9.76
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	3	9.7
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	3	9.67
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	2	9.52
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	2	9.49
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	5	9.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	2	9.45
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	4	9.43
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	17	9.43
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	5	9.42
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	3	9.41
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	3	9.4
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	1	9.4
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	3	9.4
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	5	9.39
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	17	9.37
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	1	9.36
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	1	9.36
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	17	9.34
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	4	9.33
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	4	9.28
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	13	9.18
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	13	9.17
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	13	9.15
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	12	9.1
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	8	9.05
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	8	9.05
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	2	9.04
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	12	9.03
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	12	9.01
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	8	9.0
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	2	9.0
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	2	8.96
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	3	8.91
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	3	8.9
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	3	8.89
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	3	8.8
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	9	8.77
(1,325)	1:55:C:ASN:N	1:55:C:ASN:CA	1:55:C:ASN:C	1:56:C:PHE:N	12	8.73
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	3	8.71
(1,85)	1:55:A:ASN:N	1:55:A:ASN:CA	1:55:A:ASN:C	1:56:A:PHE:N	12	8.71
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	9	8.7
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	9	8.7
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	2	8.68
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	3	8.68
(1,205)	1:55:B:ASN:N	1:55:B:ASN:CA	1:55:B:ASN:C	1:56:B:PHE:N	12	8.66
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	2	8.66
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	2	8.65
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	6	8.64
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	6	8.6
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	6	8.59
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	14	8.45
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	14	8.39
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	7	8.37
(1,17)	1:31:A:ARG:C	1:32:A:VAL:N	1:32:A:VAL:CA	1:32:A:VAL:C	9	8.37
(1,257)	1:31:C:ARG:C	1:32:C:VAL:N	1:32:C:VAL:CA	1:32:C:VAL:C	9	8.36
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	14	8.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	7	8.33
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	7	8.31
(1,137)	1:31:B:ARG:C	1:32:B:VAL:N	1:32:B:VAL:CA	1:32:B:VAL:C	9	8.28
(1,251)	1:25:C:LEU:C	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	19	8.26
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	8	8.26
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	8	8.24
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	8	8.18
(1,131)	1:25:B:LEU:C	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	19	8.18
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	6	8.15
(1,11)	1:25:A:LEU:C	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	19	8.14
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	6	8.13
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	6	8.11
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	8	8.09
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	8	8.06
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	8	8.05
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	2	8.01
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	2	7.98
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	2	7.97
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	17	7.75
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	17	7.75
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	17	7.71
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	11	7.7
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	15	7.68
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	5	7.67
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	15	7.65
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	5	7.62
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	5	7.6
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	15	7.59
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	11	7.56
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	2	7.55
(1,111)	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	1:89:A:TYR:N	12	7.55
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	2	7.54
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	7	7.54
(1,351)	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	1:89:C:TYR:N	12	7.52
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	2	7.52
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	7	7.51
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	7	7.5
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	11	7.49
(1,231)	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	1:89:B:TYR:N	12	7.44
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	9	7.44
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	6	7.43
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	9	7.42
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	19	7.42
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	9	7.42
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	19	7.42
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	4	7.38
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	19	7.37
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	4	7.37
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	6	7.36
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	19	7.35
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	6	7.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	13	7.32
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	4	7.32
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	4	7.31
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	9	7.3
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	6	7.3
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	19	7.3
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	9	7.29
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	4	7.29
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	4	7.26
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	6	7.25
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	6	7.24
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	19	7.24
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	9	7.24
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	13	7.23
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	13	7.21
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	5	7.14
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	6	7.14
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	4	7.13
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	4	7.13
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	18	7.12
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	6	7.11
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	6	7.1
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	6	7.09
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	18	7.08
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	5	7.06
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	6	7.05
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	6	7.04
(1,274)	1:66:C:SER:C	1:67:C:GLN:N	1:67:C:GLN:CA	1:67:C:GLN:C	5	7.03
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	18	7.02
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	4	7.01
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	5	7.01
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1	7.0
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	1	6.99
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	1	6.99
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	1	6.98
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1	6.95
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	1	6.94
(1,34)	1:66:A:SER:C	1:67:A:GLN:N	1:67:A:GLN:CA	1:67:A:GLN:C	5	6.94
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	19	6.91
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	16	6.89
(1,154)	1:66:B:SER:C	1:67:B:GLN:N	1:67:B:GLN:CA	1:67:B:GLN:C	5	6.88
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	15	6.88
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	15	6.85
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	15	6.84
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	15	6.82
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	15	6.82
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	16	6.82
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	2	6.81
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	2	6.81
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	19	6.81
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	7	6.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	7	6.79
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	15	6.78
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	19	6.78
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	9	6.78
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	7	6.77
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	16	6.76
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	2	6.76
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	7	6.76
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	15	6.76
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	15	6.74
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	15	6.74
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	9	6.71
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	9	6.71
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	7	6.69
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	7	6.69
(1,138)	1:32:B:VAL:C	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	8	6.64
(1,18)	1:32:A:VAL:C	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	8	6.62
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	10	6.58
(1,258)	1:32:C:VAL:C	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	8	6.55
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	10	6.53
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	10	6.52
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	16	6.44
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	16	6.43
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	16	6.39
(1,97)	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	1:71:A:ILE:N	11	6.35
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	8	6.33
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	20	6.31
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	20	6.28
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	20	6.27
(1,337)	1:70:C:ALA:N	1:70:C:ALA:CA	1:70:C:ALA:C	1:71:C:ILE:N	11	6.25
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	10	6.24
(1,217)	1:70:B:ALA:N	1:70:B:ALA:CA	1:70:B:ALA:C	1:71:B:ILE:N	11	6.24
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	8	6.21
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	10	6.21
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	8	6.2
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	18	6.19
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	10	6.13
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	8	6.13
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	8	6.11
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	10	6.11
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	18	6.11
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	13	6.1
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	4	6.09
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	4	6.06
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	6	6.06
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	8	6.06
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	13	6.05
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	6	6.04
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	4	6.03
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	10	6.02
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	18	6.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	6	6.01
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	13	6.0
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	19	5.97
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	4	5.94
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	10	5.92
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	4	5.92
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	19	5.91
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	3	5.87
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	19	5.83
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	4	5.79
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	3	5.79
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	3	5.78
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	15	5.73
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	15	5.71
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	15	5.7
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	2	5.7
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	9	5.69
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	2	5.69
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	9	5.69
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	9	5.69
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	5	5.67
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	2	5.64
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	2	5.63
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	5	5.61
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	5	5.6
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	2	5.6
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	2	5.58
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	19	5.57
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	19	5.56
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	7	5.55
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	19	5.54
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	7	5.51
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	7	5.5
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	13	5.49
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	13	5.48
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	14	5.47
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	16	5.47
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	13	5.47
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	14	5.46
(1,254)	1:28:C:LEU:C	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	14	5.43
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	16	5.41
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	6	5.41
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	6	5.41
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	14	5.4
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	6	5.39
(1,134)	1:28:B:LEU:C	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	14	5.38
(1,14)	1:28:A:LEU:C	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	14	5.37
(1,235)	1:96:B:MET:N	1:96:B:MET:CA	1:96:B:MET:C	1:97:B:TYR:N	9	5.36
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	16	5.34
(1,355)	1:96:C:MET:N	1:96:C:MET:CA	1:96:C:MET:C	1:97:C:TYR:N	9	5.33
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	7	5.31

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,115)	1:96:A:MET:N	1:96:A:MET:CA	1:96:A:MET:C	1:97:A:TYR:N	9	5.31
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	18	5.29
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	18	5.27
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	3	5.27
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	18	5.27
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	7	5.25
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	7	5.24
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	3	5.2
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	3	5.15
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	14	5.15
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	14	5.14
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	8	5.14
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	16	5.13
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	14	5.13
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	8	5.09
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	16	5.07
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	2	5.06
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	8	5.05
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	2	5.04
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	16	5.04
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	2	5.02
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	7	4.99
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	11	4.98
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	11	4.97
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	11	4.97
(1,316)	1:31:C:ARG:N	1:31:C:ARG:CA	1:31:C:ARG:C	1:32:C:VAL:N	9	4.96
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	7	4.96
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	7	4.95
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	20	4.95
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	20	4.94
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	11	4.93
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	14	4.93
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	7	4.92
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	7	4.92
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	10	4.92
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	20	4.91
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	10	4.9
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	10	4.9
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	11	4.88
(1,196)	1:31:B:ARG:N	1:31:B:ARG:CA	1:31:B:ARG:C	1:32:B:VAL:N	9	4.88
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	14	4.87
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	7	4.86
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	11	4.86
(1,76)	1:31:A:ARG:N	1:31:A:ARG:CA	1:31:A:ARG:C	1:32:A:VAL:N	9	4.86
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	10	4.85
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	14	4.84
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	10	4.82
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	10	4.8
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	7	4.8
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	7	4.79
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	7	4.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	17	4.76
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	17	4.72
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	15	4.7
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	10	4.7
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	14	4.68
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	17	4.67
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	15	4.66
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	10	4.65
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	16	4.65
(1,26)	1:55:A:ASN:C	1:56:A:PHE:N	1:56:A:PHE:CA	1:56:A:PHE:C	6	4.65
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	15	4.64
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	16	4.64
(1,146)	1:55:B:ASN:C	1:56:B:PHE:N	1:56:B:PHE:CA	1:56:B:PHE:C	6	4.63
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	16	4.61
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	10	4.61
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	14	4.61
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	14	4.61
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	10	4.57
(1,274)	1:66:C:SER:C	1:67:C:GLN:N	1:67:C:GLN:CA	1:67:C:GLN:C	13	4.56
(1,266)	1:55:C:ASN:C	1:56:C:PHE:N	1:56:C:PHE:CA	1:56:C:PHE:C	6	4.56
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	10	4.56
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	10	4.55
(1,154)	1:66:B:SER:C	1:67:B:GLN:N	1:67:B:GLN:CA	1:67:B:GLN:C	13	4.55
(1,23)	1:41:A:ALA:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	10	4.55
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	9	4.53
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	9	4.53
(1,263)	1:41:C:ALA:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	10	4.51
(1,34)	1:66:A:SER:C	1:67:A:GLN:N	1:67:A:GLN:CA	1:67:A:GLN:C	13	4.51
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	5	4.5
(1,143)	1:41:B:ALA:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	10	4.5
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	9	4.49
(1,274)	1:66:C:SER:C	1:67:C:GLN:N	1:67:C:GLN:CA	1:67:C:GLN:C	14	4.48
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	10	4.46
(1,154)	1:66:B:SER:C	1:67:B:GLN:N	1:67:B:GLN:CA	1:67:B:GLN:C	14	4.46
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	10	4.46
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	5	4.45
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	4	4.44
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	10	4.43
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	4	4.42
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	4	4.42
(1,34)	1:66:A:SER:C	1:67:A:GLN:N	1:67:A:GLN:CA	1:67:A:GLN:C	14	4.42
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	11	4.41
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	5	4.41
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	10	4.41
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	2	4.4
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	10	4.4
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	10	4.38
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	11	4.33
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	2	4.31
(1,258)	1:32:C:VAL:C	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	9	4.3
(1,18)	1:32:A:VAL:C	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	9	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	3	4.28
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	3	4.28
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	11	4.27
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	2	4.23
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	3	4.23
(1,138)	1:32:B:VAL:C	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	9	4.22
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	14	4.11
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	14	4.1
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	8	4.06
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	14	4.05
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	10	4.05
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	10	4.04
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	10	4.02
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	8	3.99
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	8	3.98
(1,116)	1:97:A:TYR:N	1:97:A:TYR:CA	1:97:A:TYR:C	1:98:A:ASN:N	8	3.98
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	2	3.95
(1,236)	1:97:B:TYR:N	1:97:B:TYR:CA	1:97:B:TYR:C	1:98:B:ASN:N	8	3.94
(1,356)	1:97:C:TYR:N	1:97:C:TYR:CA	1:97:C:TYR:C	1:98:C:ASN:N	8	3.93
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	11	3.92
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	11	3.89
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	11	3.89
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	2	3.87
(1,116)	1:97:A:TYR:N	1:97:A:TYR:CA	1:97:A:TYR:C	1:98:A:ASN:N	5	3.86
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	12	3.86
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	18	3.85
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	7	3.85
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	7	3.84
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	18	3.83
(1,236)	1:97:B:TYR:N	1:97:B:TYR:CA	1:97:B:TYR:C	1:98:B:ASN:N	5	3.82
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	18	3.82
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	12	3.81
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	2	3.81
(1,356)	1:97:C:TYR:N	1:97:C:TYR:CA	1:97:C:TYR:C	1:98:C:ASN:N	5	3.8
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	7	3.74
(1,10)	1:24:A:ARG:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	18	3.73
(1,250)	1:24:C:ARG:C	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	17	3.72
(1,241)	1:15:C:ALA:C	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	7	3.72
(1,130)	1:24:B:ARG:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	17	3.71
(1,1)	1:15:A:ALA:C	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	7	3.71
(1,250)	1:24:C:ARG:C	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	18	3.7
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	12	3.69
(1,193)	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	1:29:B:ASP:N	19	3.67
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	18	3.66
(1,130)	1:24:B:ARG:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	18	3.66
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	18	3.64
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	18	3.64
(1,121)	1:15:B:ALA:C	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	7	3.63
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	9	3.63
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	1	3.62
(1,10)	1:24:A:ARG:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	17	3.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	19	3.61
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	9	3.61
(1,73)	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	1:29:A:ASP:N	19	3.61
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	19	3.61
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	19	3.6
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	1	3.59
(1,313)	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	1:29:C:ASP:N	19	3.59
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	9	3.59
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	1	3.59
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	10	3.56
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	7	3.53
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	10	3.5
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	7	3.5
(1,300)	1:103:C:ILE:C	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	16	3.49
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	4	3.49
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	12	3.49
(1,320)	1:35:C:GLY:N	1:35:C:GLY:CA	1:35:C:GLY:C	1:36:C:LEU:N	20	3.48
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	7	3.48
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	4	3.47
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	8	3.46
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	17	3.45
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	4	3.45
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	12	3.45
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	8	3.44
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	17	3.43
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	10	3.42
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	12	3.42
(1,180)	1:103:B:ILE:C	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	16	3.42
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	8	3.4
(1,80)	1:35:A:GLY:N	1:35:A:GLY:CA	1:35:A:GLY:C	1:36:A:LEU:N	20	3.39
(1,60)	1:103:A:ILE:C	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	16	3.39
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	8	3.38
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	17	3.38
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	15	3.38
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	8	3.38
(1,315)	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	1:31:C:ARG:N	8	3.37
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	20	3.37
(1,195)	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	1:31:B:ARG:N	8	3.37
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	15	3.36
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	10	3.35
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	20	3.34
(1,200)	1:35:B:GLY:N	1:35:B:GLY:CA	1:35:B:GLY:C	1:36:B:LEU:N	20	3.33
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	10	3.33
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	8	3.31
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	10	3.3
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	15	3.29
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	7	3.28
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	7	3.27
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	20	3.27
(1,75)	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	1:31:A:ARG:N	8	3.25
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	7	3.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	3	3.15
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	5	3.14
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	5	3.13
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1	3.13
(1,68)	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1:24:A:ARG:N	9	3.13
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	3	3.1
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	3	3.09
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	5	3.08
(1,308)	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	1:24:C:ARG:N	9	3.05
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	1	3.05
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	1	3.05
(1,263)	1:41:C:ALA:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	7	3.04
(1,188)	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	1:24:B:ARG:N	9	3.01
(1,263)	1:41:C:ALA:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	3	2.98
(1,143)	1:41:B:ALA:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	7	2.98
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	20	2.98
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	13	2.97
(1,23)	1:41:A:ALA:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	7	2.96
(1,143)	1:41:B:ALA:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	3	2.95
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	13	2.95
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	16	2.94
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	13	2.94
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	16	2.93
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	20	2.92
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	16	2.91
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	20	2.9
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	3	2.9
(1,179)	1:102:B:ASN:C	1:103:B:ILE:N	1:103:B:ILE:CA	1:103:B:ILE:C	2	2.89
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	13	2.88
(1,59)	1:102:A:ASN:C	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	2	2.88
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	3	2.87
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	13	2.86
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	13	2.86
(1,23)	1:41:A:ALA:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	3	2.86
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	17	2.85
(1,299)	1:102:C:ASN:C	1:103:C:ILE:N	1:103:C:ILE:CA	1:103:C:ILE:C	2	2.84
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	5	2.81
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	17	2.81
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	17	2.81
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	5	2.8
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	3	2.8
(1,130)	1:24:B:ARG:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	14	2.79
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	5	2.79
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	5	2.75
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	5	2.74
(1,137)	1:31:B:ARG:C	1:32:B:VAL:N	1:32:B:VAL:CA	1:32:B:VAL:C	13	2.74
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	5	2.73
(1,10)	1:24:A:ARG:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	14	2.73
(1,250)	1:24:C:ARG:C	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	14	2.71
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	8	2.7
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	7	2.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,17)	1:31:A:ARG:C	1:32:A:VAL:N	1:32:A:VAL:CA	1:32:A:VAL:C	13	2.7
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	8	2.68
(1,315)	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	1:31:C:ARG:N	5	2.66
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	7	2.65
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	8	2.65
(1,195)	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	1:31:B:ARG:N	13	2.65
(1,257)	1:31:C:ARG:C	1:32:C:VAL:N	1:32:C:VAL:CA	1:32:C:VAL:C	13	2.64
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	18	2.63
(1,258)	1:32:C:VAL:C	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	14	2.63
(1,138)	1:32:B:VAL:C	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	14	2.63
(1,130)	1:24:B:ARG:C	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	11	2.62
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	7	2.62
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	18	2.61
(1,18)	1:32:A:VAL:C	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	14	2.6
(1,10)	1:24:A:ARG:C	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	11	2.58
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	13	2.57
(1,75)	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	1:31:A:ARG:N	13	2.57
(1,315)	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	1:31:C:ARG:N	13	2.56
(1,195)	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	1:31:B:ARG:N	5	2.54
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	18	2.54
(1,75)	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	1:31:A:ARG:N	5	2.54
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	13	2.53
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	6	2.53
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	13	2.53
(1,314)	1:29:C:ASP:N	1:29:C:ASP:CA	1:29:C:ASP:C	1:30:C:THR:N	13	2.52
(1,194)	1:29:B:ASP:N	1:29:B:ASP:CA	1:29:B:ASP:C	1:30:B:THR:N	13	2.52
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	6	2.51
(1,250)	1:24:C:ARG:C	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	11	2.5
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	3	2.5
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	15	2.5
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	3	2.49
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	3	2.47
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	6	2.47
(1,74)	1:29:A:ASP:N	1:29:A:ASP:CA	1:29:A:ASP:C	1:30:A:THR:N	13	2.46
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	15	2.45
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	15	2.44
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	1	2.38
(1,133)	1:27:B:LYS:C	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	19	2.36
(1,253)	1:27:C:LYS:C	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	19	2.34
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	1	2.34
(1,268)	1:57:C:THR:C	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	12	2.33
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	1	2.33
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	4	2.32
(1,148)	1:57:B:THR:C	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	12	2.31
(1,13)	1:27:A:LYS:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	19	2.31
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	14	2.29
(1,28)	1:57:A:THR:C	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	12	2.29
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	14	2.28
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	13	2.28
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	14	2.27
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	13	2.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	4	2.25
(1,112)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ALA:N	14	2.25
(1,232)	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	1:90:B:ALA:N	14	2.23
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	17	2.22
(1,352)	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	1:90:C:ALA:N	14	2.21
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	7	2.21
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	6	2.2
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	13	2.2
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	6	2.19
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	17	2.18
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	4	2.18
(1,307)	1:22:C:ASP:N	1:22:C:ASP:CA	1:22:C:ASP:C	1:23:C:ASN:N	20	2.17
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	7	2.17
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	6	2.15
(1,67)	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1:23:A:ASN:N	20	2.15
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	17	2.14
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	6	2.12
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	17	2.11
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	7	2.09
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	17	2.09
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	8	2.09
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	8	2.08
(1,187)	1:22:B:ASP:N	1:22:B:ASP:CA	1:22:B:ASP:C	1:23:B:ASN:N	20	2.08
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	6	2.08
(1,128)	1:22:B:ASP:C	1:23:B:ASN:N	1:23:B:ASN:CA	1:23:B:ASN:C	18	2.07
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	17	2.07
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	18	2.07
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	6	2.06
(1,8)	1:22:A:ASP:C	1:23:A:ASN:N	1:23:A:ASN:CA	1:23:A:ASN:C	18	2.04
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	18	2.02
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	9	2.01
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	18	2.0
(1,248)	1:22:C:ASP:C	1:23:C:ASN:N	1:23:C:ASN:CA	1:23:C:ASN:C	18	2.0
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	8	1.99
(1,1)	1:15:A:ALA:C	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	10	1.97
(1,285)	1:81:C:VAL:C	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	19	1.95
(1,241)	1:15:C:ALA:C	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	10	1.95
(1,165)	1:81:B:VAL:C	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	19	1.93
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	17	1.93
(1,121)	1:15:B:ALA:C	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	10	1.93
(1,34)	1:66:A:SER:C	1:67:A:GLN:N	1:67:A:GLN:CA	1:67:A:GLN:C	8	1.91
(1,15)	1:29:A:ASP:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	17	1.91
(1,255)	1:29:C:ASP:C	1:30:C:THR:N	1:30:C:THR:CA	1:30:C:THR:C	17	1.89
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	9	1.89
(1,154)	1:66:B:SER:C	1:67:B:GLN:N	1:67:B:GLN:CA	1:67:B:GLN:C	8	1.89
(1,46)	1:82:A:ALA:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	3	1.89
(1,191)	1:26:B:ASP:N	1:26:B:ASP:CA	1:26:B:ASP:C	1:27:B:LYS:N	1	1.88
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	9	1.88
(1,71)	1:26:A:ASP:N	1:26:A:ASP:CA	1:26:A:ASP:C	1:27:A:LYS:N	1	1.87
(1,45)	1:81:A:VAL:C	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	19	1.87
(1,4)	1:18:A:PHE:C	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	20	1.87

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,244)	1:18:C:PHE:C	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	20	1.86
(1,311)	1:26:C:ASP:N	1:26:C:ASP:CA	1:26:C:ASP:C	1:27:C:LYS:N	1	1.85
(1,286)	1:82:C:ALA:C	1:83:C:LEU:N	1:83:C:LEU:CA	1:83:C:LEU:C	3	1.85
(1,274)	1:66:C:SER:C	1:67:C:GLN:N	1:67:C:GLN:CA	1:67:C:GLN:C	8	1.85
(1,166)	1:82:B:ALA:C	1:83:B:LEU:N	1:83:B:LEU:CA	1:83:B:LEU:C	3	1.85
(1,227)	1:84:B:LYS:N	1:84:B:LYS:CA	1:84:B:LYS:C	1:85:B:ALA:N	20	1.84
(1,124)	1:18:B:PHE:C	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	20	1.83
(1,347)	1:84:C:LYS:N	1:84:C:LYS:CA	1:84:C:LYS:C	1:85:C:ALA:N	20	1.82
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	7	1.82
(1,299)	1:102:C:ASN:C	1:103:C:ILE:N	1:103:C:ILE:CA	1:103:C:ILE:C	6	1.82
(1,59)	1:102:A:ASN:C	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	6	1.82
(1,107)	1:84:A:LYS:N	1:84:A:LYS:CA	1:84:A:LYS:C	1:85:A:ALA:N	20	1.81
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	7	1.8
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	7	1.79
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	14	1.77
(1,137)	1:31:B:ARG:C	1:32:B:VAL:N	1:32:B:VAL:CA	1:32:B:VAL:C	5	1.77
(1,179)	1:102:B:ASN:C	1:103:B:ILE:N	1:103:B:ILE:CA	1:103:B:ILE:C	6	1.74
(1,305)	1:20:C:GLN:N	1:20:C:GLN:CA	1:20:C:GLN:C	1:21:C:LEU:N	13	1.73
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	14	1.71
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	14	1.7
(1,257)	1:31:C:ARG:C	1:32:C:VAL:N	1:32:C:VAL:CA	1:32:C:VAL:C	5	1.66
(1,185)	1:20:B:GLN:N	1:20:B:GLN:CA	1:20:B:GLN:C	1:21:B:LEU:N	13	1.66
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	11	1.63
(1,193)	1:28:B:LEU:N	1:28:B:LEU:CA	1:28:B:LEU:C	1:29:B:ASP:N	20	1.62
(1,65)	1:20:A:GLN:N	1:20:A:GLN:CA	1:20:A:GLN:C	1:21:A:LEU:N	13	1.62
(1,52)	1:88:A:ALA:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	14	1.6
(1,17)	1:31:A:ARG:C	1:32:A:VAL:N	1:32:A:VAL:CA	1:32:A:VAL:C	5	1.59
(1,237)	1:101:B:PHE:N	1:101:B:PHE:CA	1:101:B:PHE:C	1:102:B:ASN:N	18	1.58
(1,117)	1:101:A:PHE:N	1:101:A:PHE:CA	1:101:A:PHE:C	1:102:A:ASN:N	18	1.58
(1,357)	1:101:C:PHE:N	1:101:C:PHE:CA	1:101:C:PHE:C	1:102:C:ASN:N	18	1.57
(1,313)	1:28:C:LEU:N	1:28:C:LEU:CA	1:28:C:LEU:C	1:29:C:ASP:N	20	1.54
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	11	1.54
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	19	1.53
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	19	1.52
(1,73)	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	1:29:A:ASP:N	20	1.52
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	19	1.51
(1,310)	1:25:C:LEU:N	1:25:C:LEU:CA	1:25:C:LEU:C	1:26:C:ASP:N	11	1.51
(1,292)	1:88:C:ALA:C	1:89:C:TYR:N	1:89:C:TYR:CA	1:89:C:TYR:C	14	1.49
(1,172)	1:88:B:ALA:C	1:89:B:TYR:N	1:89:B:TYR:CA	1:89:B:TYR:C	14	1.49
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	20	1.49
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	5	1.47
(1,240)	1:104:B:GLU:N	1:104:B:GLU:CA	1:104:B:GLU:C	1:105:B:TRP:N	11	1.47
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	12	1.47
(1,120)	1:104:A:GLU:N	1:104:A:GLU:CA	1:104:A:GLU:C	1:105:A:TRP:N	11	1.46
(1,360)	1:104:C:GLU:N	1:104:C:GLU:CA	1:104:C:GLU:C	1:105:C:TRP:N	11	1.45
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	11	1.45
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	20	1.45
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	5	1.45
(1,306)	1:21:C:LEU:N	1:21:C:LEU:CA	1:21:C:LEU:C	1:22:C:ASP:N	9	1.44
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	18	1.42
(1,186)	1:21:B:LEU:N	1:21:B:LEU:CA	1:21:B:LEU:C	1:22:B:ASP:N	9	1.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	5	1.42
(1,93)	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1:64:A:ARG:N	4	1.42
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	12	1.41
(1,1)	1:15:A:ALA:C	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	14	1.41
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	12	1.39
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	20	1.39
(1,121)	1:15:B:ALA:C	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	14	1.39
(1,333)	1:63:C:TYR:N	1:63:C:TYR:CA	1:63:C:TYR:C	1:64:C:ARG:N	4	1.38
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	11	1.38
(1,275)	1:67:C:GLN:C	1:68:C:ALA:N	1:68:C:ALA:CA	1:68:C:ALA:C	16	1.38
(1,241)	1:15:C:ALA:C	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	14	1.38
(1,66)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:ASP:N	9	1.38
(1,213)	1:63:B:TYR:N	1:63:B:TYR:CA	1:63:B:TYR:C	1:64:B:ARG:N	4	1.37
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	12	1.37
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	18	1.35
(1,35)	1:67:A:GLN:C	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	16	1.35
(1,324)	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	1:55:C:ASN:N	13	1.34
(1,155)	1:67:B:GLN:C	1:68:B:ALA:N	1:68:B:ALA:CA	1:68:B:ALA:C	16	1.34
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	12	1.34
(1,84)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ASN:N	13	1.34
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	11	1.33
(1,348)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	11	1.32
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	18	1.32
(1,181)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:LYS:N	6	1.31
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	18	1.3
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	12	1.29
(1,204)	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	1:55:B:ASN:N	13	1.29
(1,108)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	11	1.29
(1,61)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:LYS:N	6	1.29
(1,301)	1:16:C:HIS:N	1:16:C:HIS:CA	1:16:C:HIS:C	1:17:C:LYS:N	6	1.27
(1,259)	1:33:C:ASP:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	20	1.26
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	3	1.26
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	18	1.26
(1,23)	1:41:A:ALA:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	11	1.26
(1,228)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	11	1.25
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	3	1.24
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	18	1.24
(1,139)	1:33:B:ASP:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	20	1.23
(1,124)	1:18:B:PHE:C	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	16	1.23
(1,46)	1:82:A:ALA:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	1	1.23
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	3	1.21
(1,51)	1:87:A:VAL:C	1:88:A:ALA:N	1:88:A:ALA:CA	1:88:A:ALA:C	13	1.21
(1,19)	1:33:A:ASP:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	20	1.21
(1,263)	1:41:C:ALA:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	11	1.18
(1,291)	1:87:C:VAL:C	1:88:C:ALA:N	1:88:C:ALA:CA	1:88:C:ALA:C	13	1.16
(1,184)	1:19:B:ARG:N	1:19:B:ARG:CA	1:19:B:ARG:C	1:20:B:GLN:N	9	1.16
(1,171)	1:87:B:VAL:C	1:88:B:ALA:N	1:88:B:ALA:CA	1:88:B:ALA:C	13	1.16
(1,143)	1:41:B:ALA:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	11	1.16
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	12	1.14
(1,282)	1:74:C:GLY:C	1:75:C:TYR:N	1:75:C:TYR:CA	1:75:C:TYR:C	4	1.14
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	12	1.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	12	1.14
(1,244)	1:18:C:PHE:C	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	16	1.13
(1,196)	1:31:B:ARG:N	1:31:B:ARG:CA	1:31:B:ARG:C	1:32:B:VAL:N	8	1.13
(1,166)	1:82:B:ALA:C	1:83:B:LEU:N	1:83:B:LEU:CA	1:83:B:LEU:C	1	1.13
(1,144)	1:53:B:LYS:C	1:54:B:VAL:N	1:54:B:VAL:CA	1:54:B:VAL:C	7	1.13
(1,105)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:LEU:N	12	1.13
(1,345)	1:82:C:ALA:N	1:82:C:ALA:CA	1:82:C:ALA:C	1:83:C:LEU:N	12	1.12
(1,304)	1:19:C:ARG:N	1:19:C:ARG:CA	1:19:C:ARG:C	1:20:C:GLN:N	9	1.12
(1,198)	1:33:B:ASP:N	1:33:B:ASP:CA	1:33:B:ASP:C	1:34:B:LYS:N	18	1.12
(1,64)	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	1:20:A:GLN:N	9	1.12
(1,43)	1:75:A:TYR:C	1:76:A:ARG:N	1:76:A:ARG:CA	1:76:A:ARG:C	16	1.12
(1,42)	1:74:A:GLY:C	1:75:A:TYR:N	1:75:A:TYR:CA	1:75:A:TYR:C	4	1.12
(1,264)	1:53:C:LYS:C	1:54:C:VAL:N	1:54:C:VAL:CA	1:54:C:VAL:C	7	1.11
(1,4)	1:18:A:PHE:C	1:19:A:ARG:N	1:19:A:ARG:CA	1:19:A:ARG:C	16	1.11
(1,225)	1:82:B:ALA:N	1:82:B:ALA:CA	1:82:B:ALA:C	1:83:B:LEU:N	12	1.1
(1,166)	1:82:B:ALA:C	1:83:B:LEU:N	1:83:B:LEU:CA	1:83:B:LEU:C	4	1.1
(1,162)	1:74:B:GLY:C	1:75:B:TYR:N	1:75:B:TYR:CA	1:75:B:TYR:C	4	1.1
(1,328)	1:58:C:ALA:N	1:58:C:ALA:CA	1:58:C:ALA:C	1:59:C:GLY:N	13	1.09
(1,286)	1:82:C:ALA:C	1:83:C:LEU:N	1:83:C:LEU:CA	1:83:C:LEU:C	1	1.09
(1,88)	1:58:A:ALA:N	1:58:A:ALA:CA	1:58:A:ALA:C	1:59:A:GLY:N	13	1.09
(1,46)	1:82:A:ALA:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	4	1.08
(1,24)	1:53:A:LYS:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	7	1.08
(1,135)	1:29:B:ASP:C	1:30:B:THR:N	1:30:B:THR:CA	1:30:B:THR:C	9	1.07
(1,78)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:LYS:N	18	1.07
(1,318)	1:33:C:ASP:N	1:33:C:ASP:CA	1:33:C:ASP:C	1:34:C:LYS:N	18	1.06
(1,208)	1:58:B:ALA:N	1:58:B:ALA:CA	1:58:B:ALA:C	1:59:B:GLY:N	13	1.06
(1,163)	1:75:B:TYR:C	1:76:B:ARG:N	1:76:B:ARG:CA	1:76:B:ARG:C	16	1.05
(1,316)	1:31:C:ARG:N	1:31:C:ARG:CA	1:31:C:ARG:C	1:32:C:VAL:N	8	1.04
(1,283)	1:75:C:TYR:C	1:76:C:ARG:N	1:76:C:ARG:CA	1:76:C:ARG:C	16	1.04
(1,190)	1:25:B:LEU:N	1:25:B:LEU:CA	1:25:B:LEU:C	1:26:B:ASP:N	2	1.03
(1,76)	1:31:A:ARG:N	1:31:A:ARG:CA	1:31:A:ARG:C	1:32:A:VAL:N	8	1.03
(1,70)	1:25:A:LEU:N	1:25:A:LEU:CA	1:25:A:LEU:C	1:26:A:ASP:N	2	1.03