Full wwPDB NMR Structure Validation Report (i)

Mar 10, 2026 – 09:37 AM UTC

PDB ID	:	5ID3 / pdb_00005id3
BMRB ID	:	30021
Title	:	Solution structure of the pore-forming region of C. elegans Mitochondrial Calcium Uniporter (MCU)
Authors	:	Oxenoid, K.; Dong, Y.; Cao, C.; Cui, T.; Sancak, Y.; Markhard, A.L.; Grabarek, Z.; Kong, L.; Liu, Z.; Ouyang, B.; Cong, Y.; Mootha, V.K.; Chou, J.J.; Membrane Protein Structures by Solution NMR (MPSbyNMR)
Deposited on	:	2016-02-23

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 (i) 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:

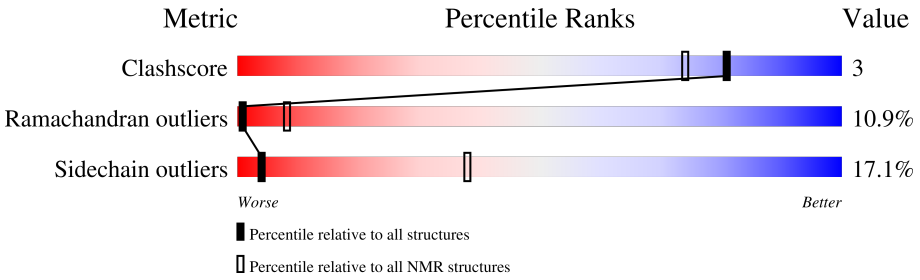
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

The overall completeness of chemical shifts assignment is 6%.

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	159	35% 33% 9% 19% .
1	B	159	42% 28% 6% . 19% .
1	C	159	35% 33% 7% 21% .
1	D	159	36% 32% 7% 21% .
1	E	159	40% 28% 8% . 19% .

2 Ensemble composition and analysis

This entry contains 15 models. Model 1 is the overall representative, medoid model (most similar to other models).

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:179-A:271, A:289-A:318, B:178-B:271, B:290-B:318, C:179-C:269, C:290-C:317, D:178-D:269, D:291-D:317, E:177-E:269, E:290-E:318 (606)	1.03	1

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

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

The models can be grouped into 1 clusters and 2 single-model clusters were found.

Cluster number	Models
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15
Single-model clusters	12; 13

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 12675 atoms, of which 6270 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Mitochondrial Calcium Uniporter.

Mol	Chain	Residues	Atoms						Trace
1	A	153	Total	C	H	N	O	S	0
			2535	822	1254	219	239	1	
1	B	153	Total	C	H	N	O	S	0
			2535	822	1254	219	239	1	
1	C	153	Total	C	H	N	O	S	0
			2535	822	1254	219	239	1	
1	D	153	Total	C	H	N	O	S	0
			2535	822	1254	219	239	1	
1	E	153	Total	C	H	N	O	S	0
			2535	822	1254	219	239	1	

There are 75 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	166	MET	-	initiating methionine	UNP Q21121
A	170	SER	CYS	engineered mutation	UNP Q21121
A	207	ALA	CYS	engineered mutation	UNP Q21121
A	215	ALA	MET	engineered mutation	UNP Q21121
A	222	SER	MET	engineered mutation	UNP Q21121
A	242	VAL	MET	engineered mutation	UNP Q21121
A	255	ALA	CYS	engineered mutation	UNP Q21121
A	313	LEU	MET	engineered mutation	UNP Q21121
A	318	GLU	PHE	engineered mutation	UNP Q21121
A	319	HIS	-	expression tag	UNP Q21121
A	320	HIS	-	expression tag	UNP Q21121
A	321	HIS	-	expression tag	UNP Q21121
A	322	HIS	-	expression tag	UNP Q21121
A	323	HIS	-	expression tag	UNP Q21121
A	324	HIS	-	expression tag	UNP Q21121
B	166	MET	-	initiating methionine	UNP Q21121
B	170	SER	CYS	engineered mutation	UNP Q21121
B	207	ALA	CYS	engineered mutation	UNP Q21121
B	215	ALA	MET	engineered mutation	UNP Q21121
B	222	SER	MET	engineered mutation	UNP Q21121
B	242	VAL	MET	engineered mutation	UNP Q21121
B	255	ALA	CYS	engineered mutation	UNP Q21121
B	313	LEU	MET	engineered mutation	UNP Q21121

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Chain	Residue	Modelled	Actual	Comment	Reference
B	318	GLU	PHE	engineered mutation	UNP Q21121
B	319	HIS	-	expression tag	UNP Q21121
B	320	HIS	-	expression tag	UNP Q21121
B	321	HIS	-	expression tag	UNP Q21121
B	322	HIS	-	expression tag	UNP Q21121
B	323	HIS	-	expression tag	UNP Q21121
B	324	HIS	-	expression tag	UNP Q21121
C	166	MET	-	initiating methionine	UNP Q21121
C	170	SER	CYS	engineered mutation	UNP Q21121
C	207	ALA	CYS	engineered mutation	UNP Q21121
C	215	ALA	MET	engineered mutation	UNP Q21121
C	222	SER	MET	engineered mutation	UNP Q21121
C	242	VAL	MET	engineered mutation	UNP Q21121
C	255	ALA	CYS	engineered mutation	UNP Q21121
C	313	LEU	MET	engineered mutation	UNP Q21121
C	318	GLU	PHE	engineered mutation	UNP Q21121
C	319	HIS	-	expression tag	UNP Q21121
C	320	HIS	-	expression tag	UNP Q21121
C	321	HIS	-	expression tag	UNP Q21121
C	322	HIS	-	expression tag	UNP Q21121
C	323	HIS	-	expression tag	UNP Q21121
C	324	HIS	-	expression tag	UNP Q21121
D	166	MET	-	initiating methionine	UNP Q21121
D	170	SER	CYS	engineered mutation	UNP Q21121
D	207	ALA	CYS	engineered mutation	UNP Q21121
D	215	ALA	MET	engineered mutation	UNP Q21121
D	222	SER	MET	engineered mutation	UNP Q21121
D	242	VAL	MET	engineered mutation	UNP Q21121
D	255	ALA	CYS	engineered mutation	UNP Q21121
D	313	LEU	MET	engineered mutation	UNP Q21121
D	318	GLU	PHE	engineered mutation	UNP Q21121
D	319	HIS	-	expression tag	UNP Q21121
D	320	HIS	-	expression tag	UNP Q21121
D	321	HIS	-	expression tag	UNP Q21121
D	322	HIS	-	expression tag	UNP Q21121
D	323	HIS	-	expression tag	UNP Q21121
D	324	HIS	-	expression tag	UNP Q21121
E	166	MET	-	initiating methionine	UNP Q21121
E	170	SER	CYS	engineered mutation	UNP Q21121
E	207	ALA	CYS	engineered mutation	UNP Q21121
E	215	ALA	MET	engineered mutation	UNP Q21121
E	222	SER	MET	engineered mutation	UNP Q21121

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Chain	Residue	Modelled	Actual	Comment	Reference
E	242	VAL	MET	engineered mutation	UNP Q21121
E	255	ALA	CYS	engineered mutation	UNP Q21121
E	313	LEU	MET	engineered mutation	UNP Q21121
E	318	GLU	PHE	engineered mutation	UNP Q21121
E	319	HIS	-	expression tag	UNP Q21121
E	320	HIS	-	expression tag	UNP Q21121
E	321	HIS	-	expression tag	UNP Q21121
E	322	HIS	-	expression tag	UNP Q21121
E	323	HIS	-	expression tag	UNP Q21121
E	324	HIS	-	expression tag	UNP Q21121

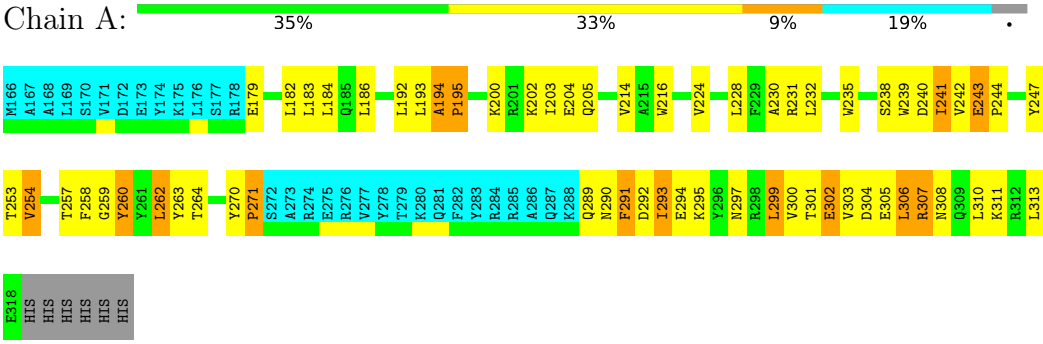
4 Residue-property plots

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.

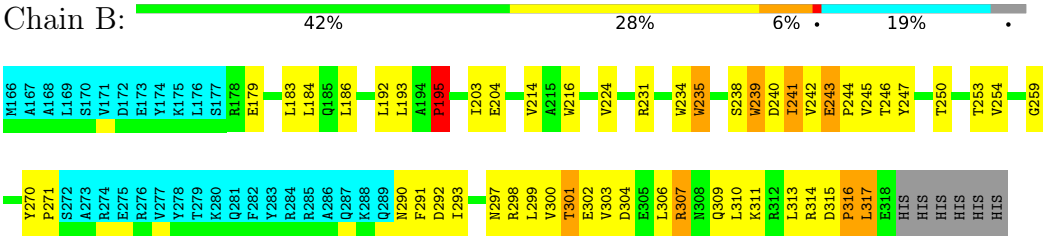
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



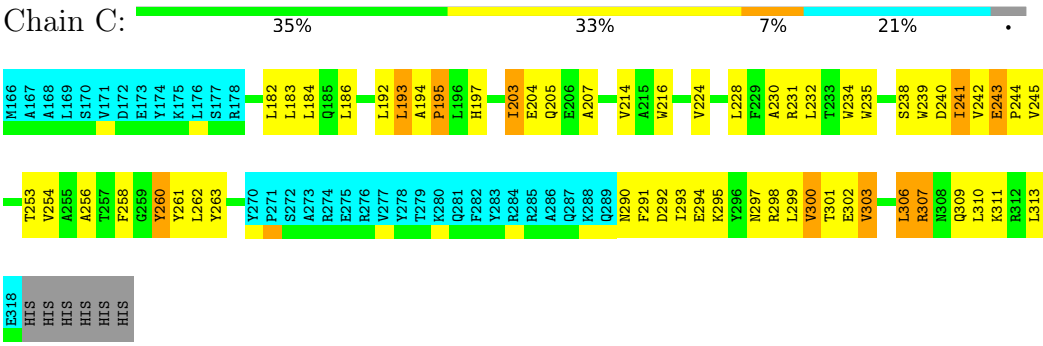
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



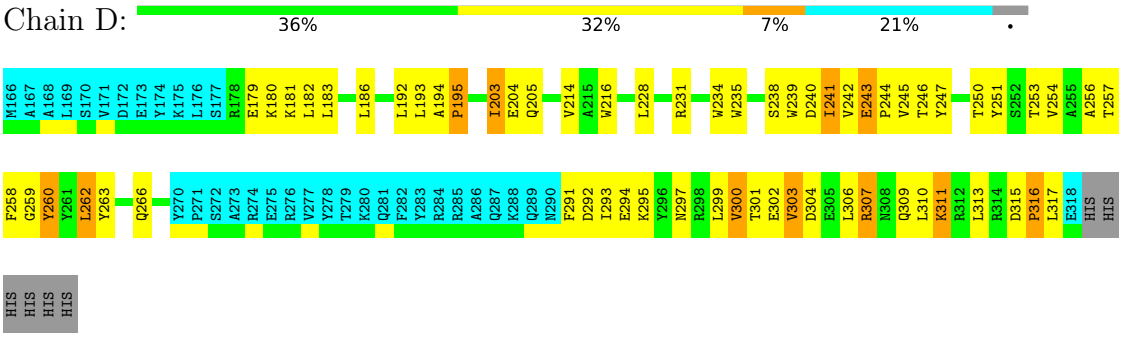
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



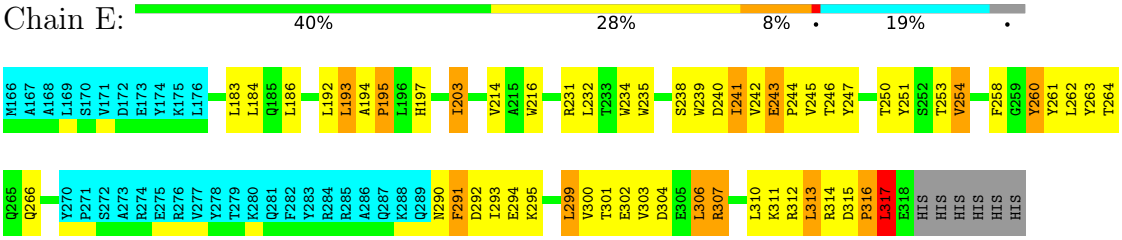
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:



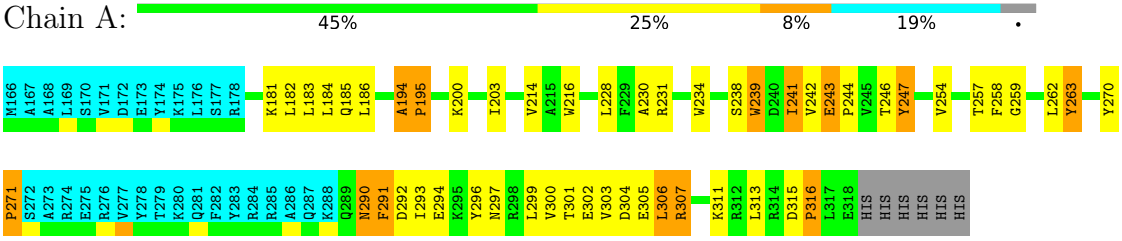
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

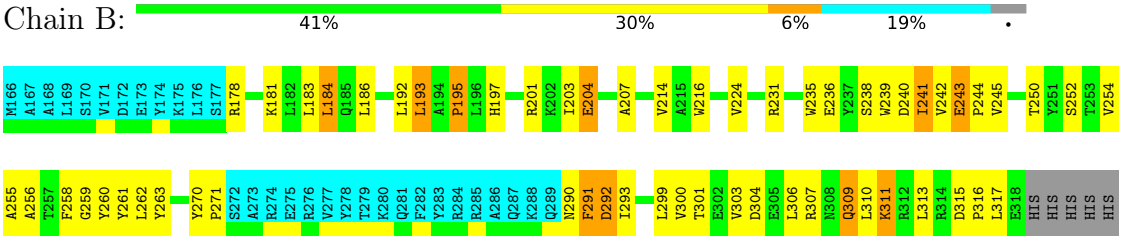
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



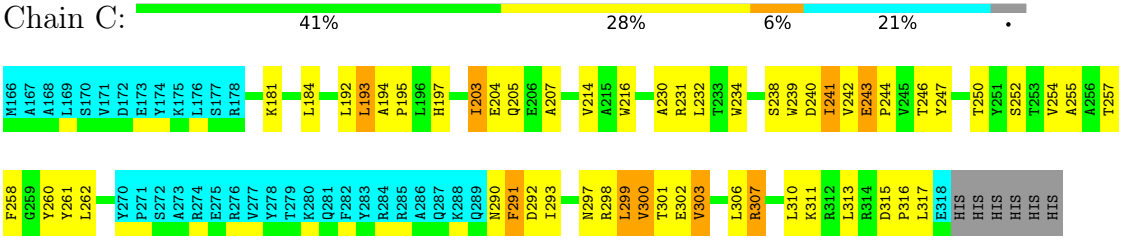
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



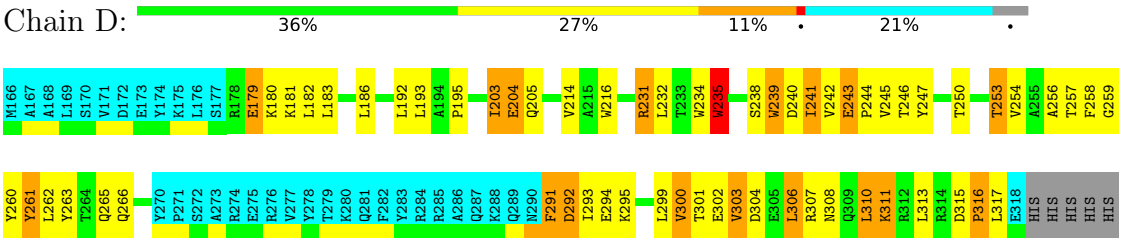
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



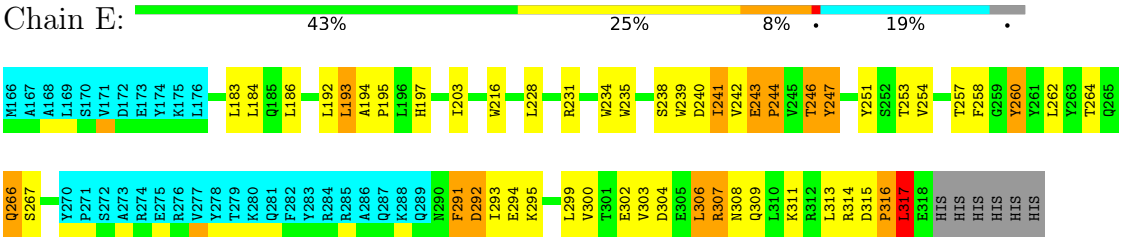
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

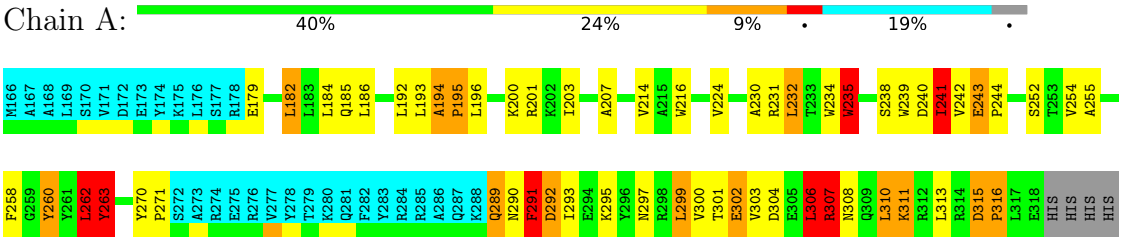
Chain E:



4.2.2 Score per residue for model 2

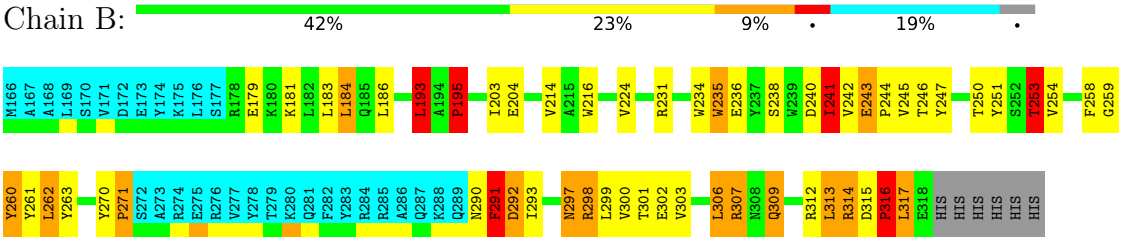
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



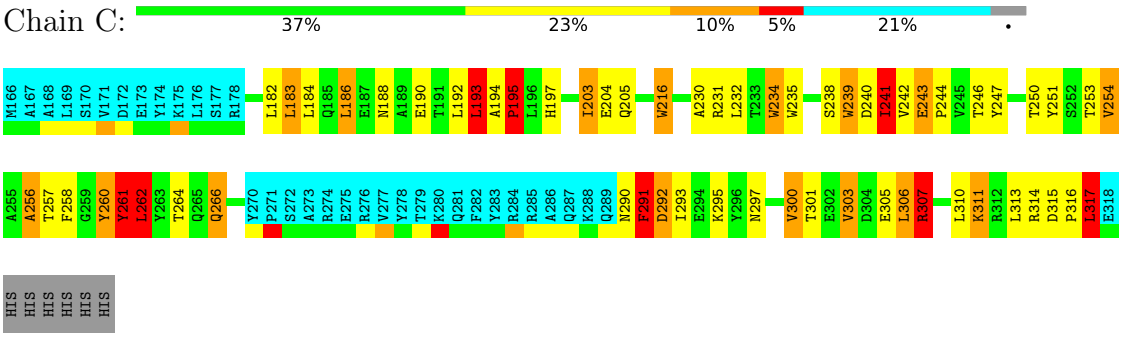
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



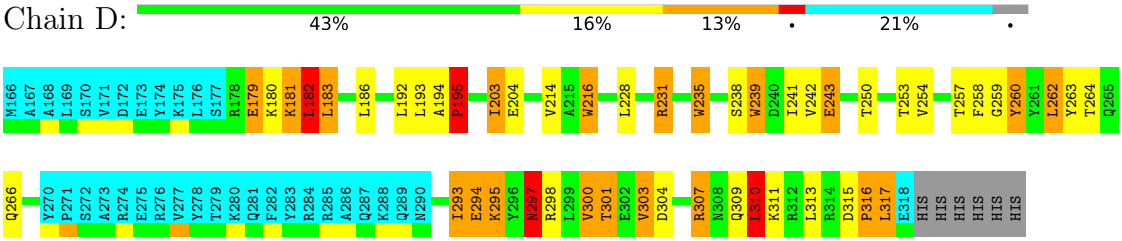
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



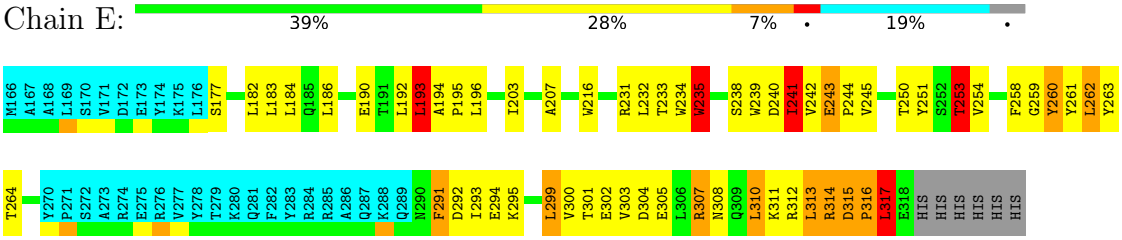
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

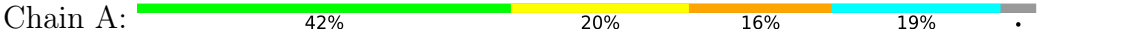
Chain E:

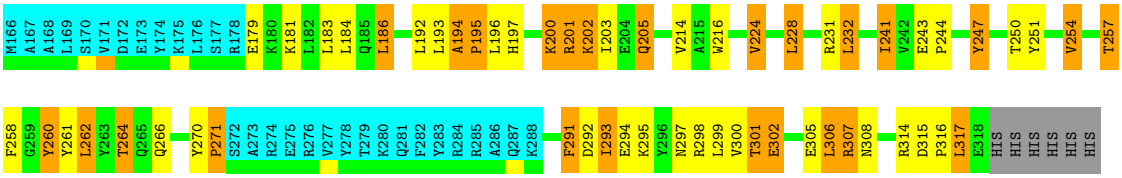


4.2.3 Score per residue for model 3

• Molecule 1: Mitochondrial Calcium Uniporter

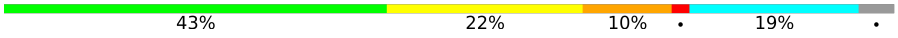
Chain A:

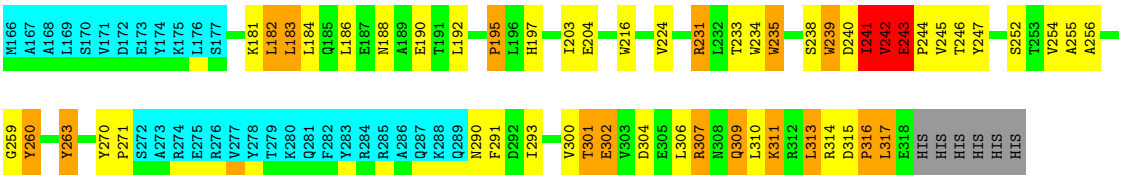




• Molecule 1: Mitochondrial Calcium Uniporter

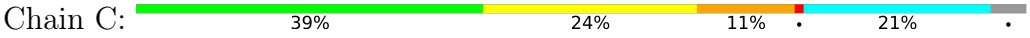
Chain B:

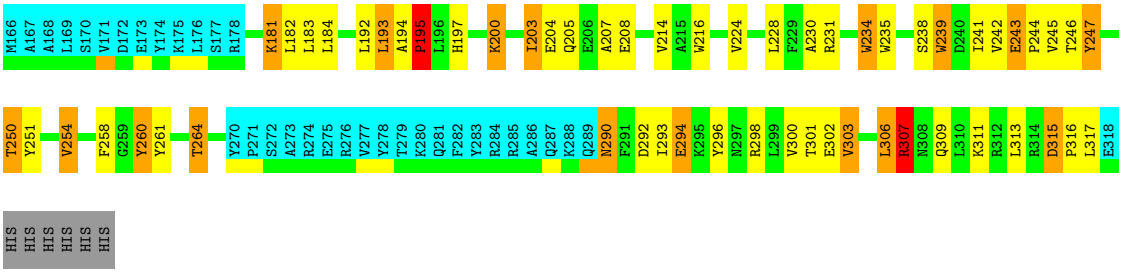




• Molecule 1: Mitochondrial Calcium Uniporter

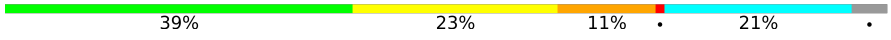
Chain C:

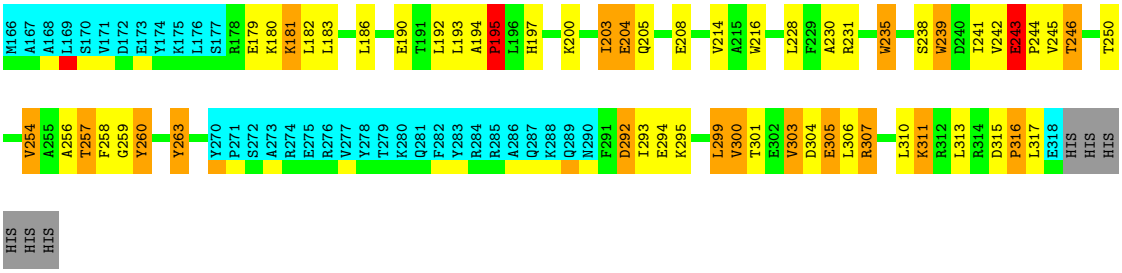




• Molecule 1: Mitochondrial Calcium Uniporter

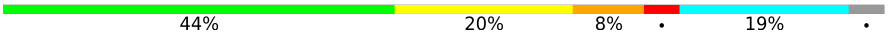
Chain D:

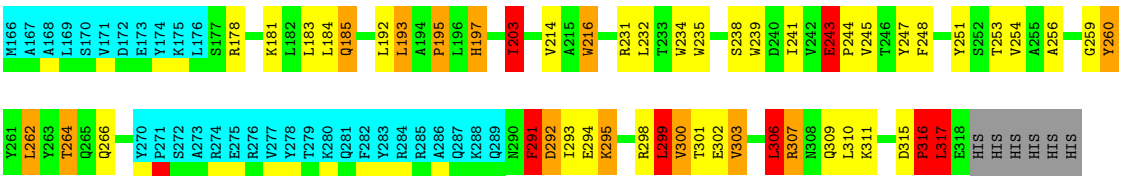




• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:

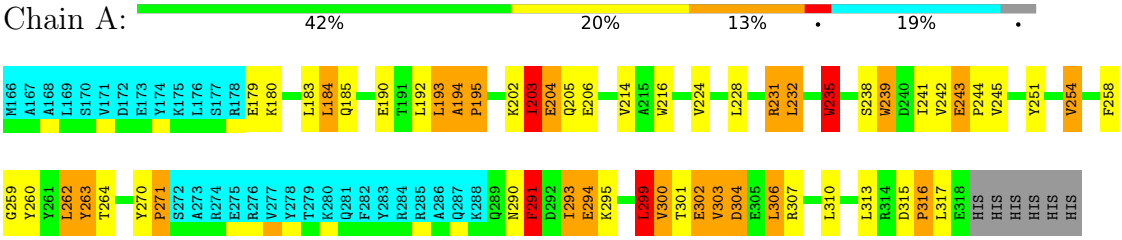




4.2.4 Score per residue for model 4

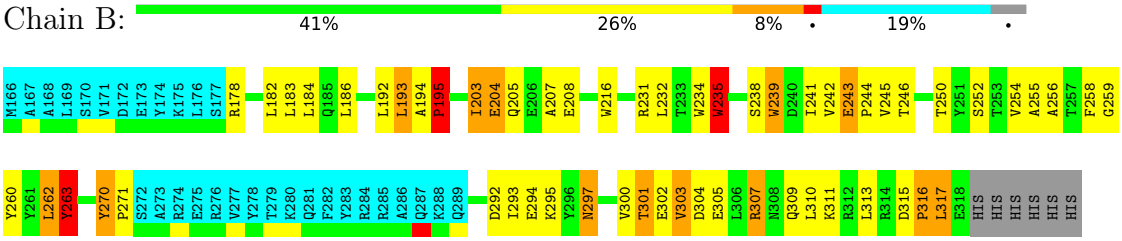
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



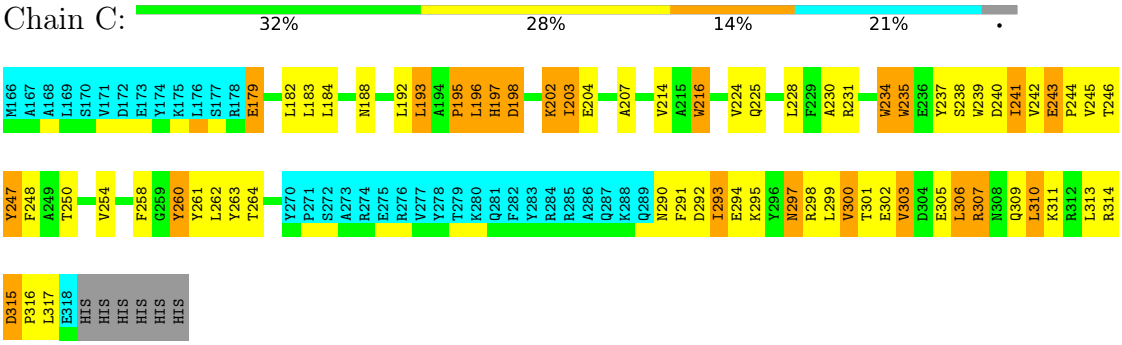
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



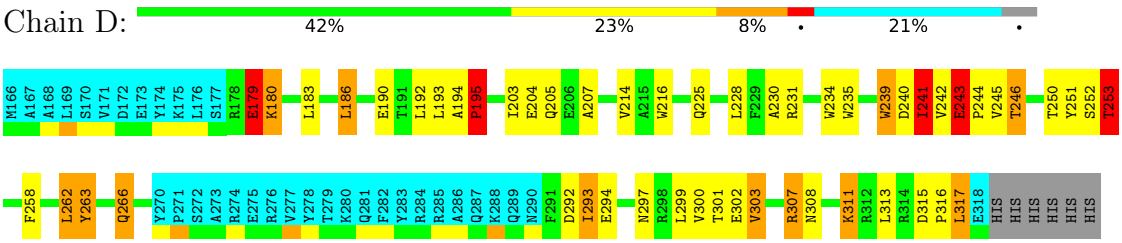
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



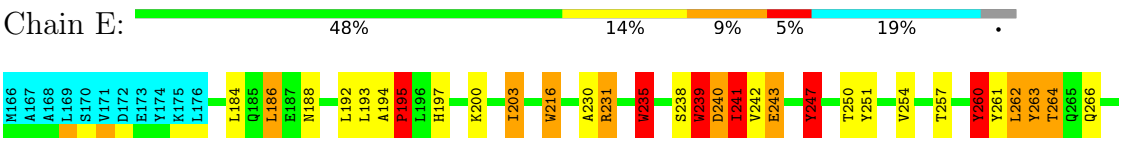
• Molecule 1: Mitochondrial Calcium Uniporter

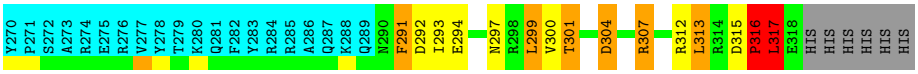
Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:

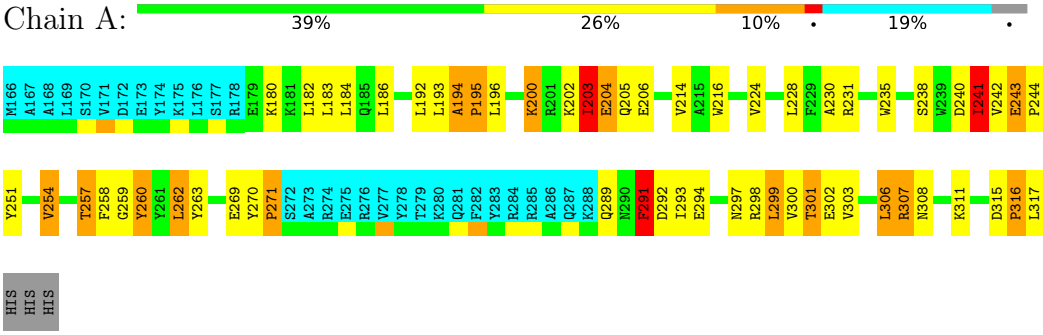




4.2.5 Score per residue for model 5

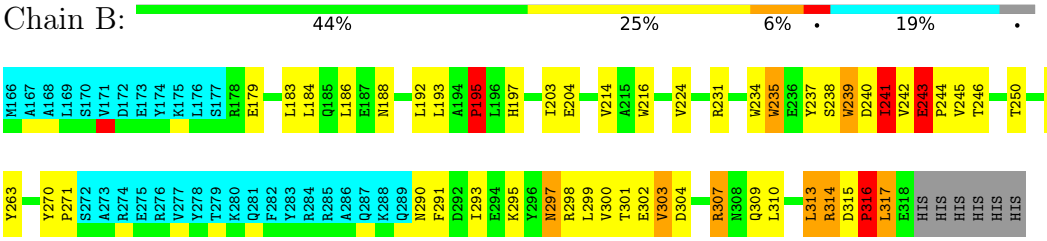
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



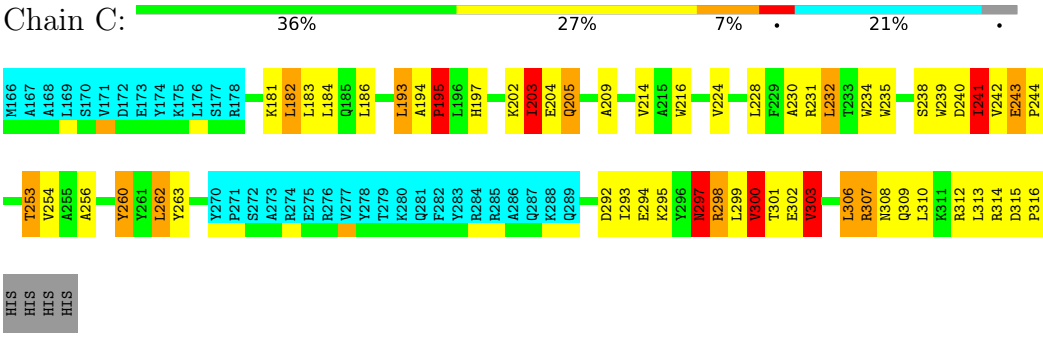
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



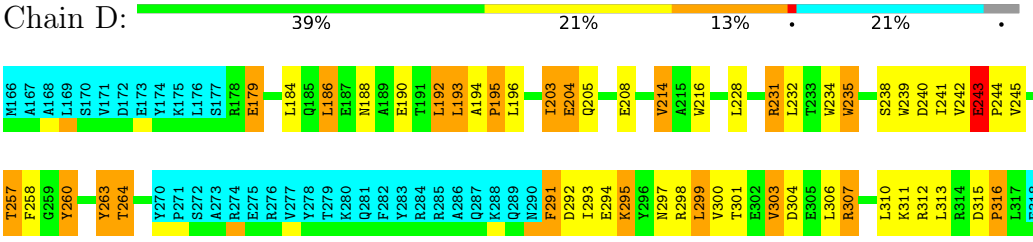
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



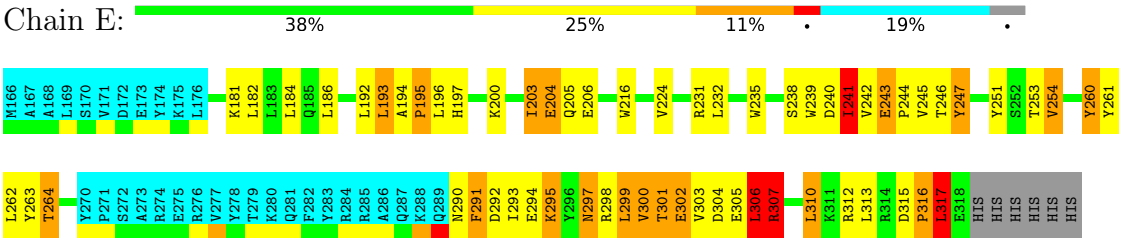
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

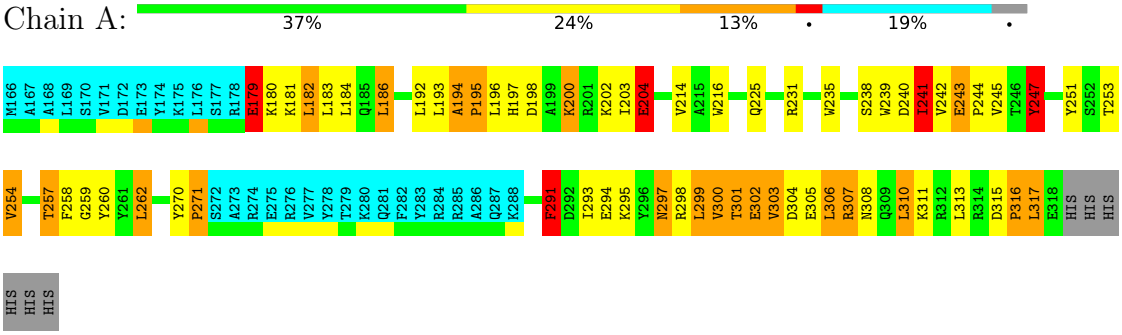
Chain E:



4.2.6 Score per residue for model 6

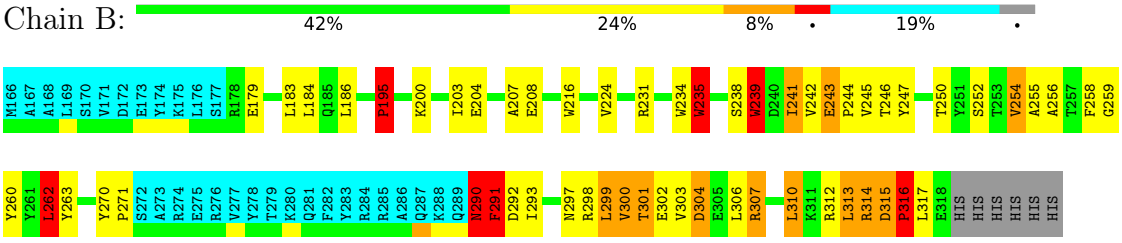
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



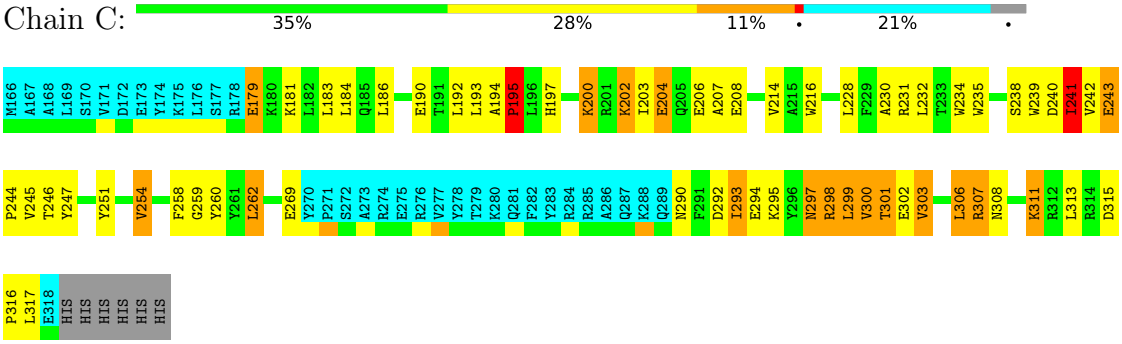
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



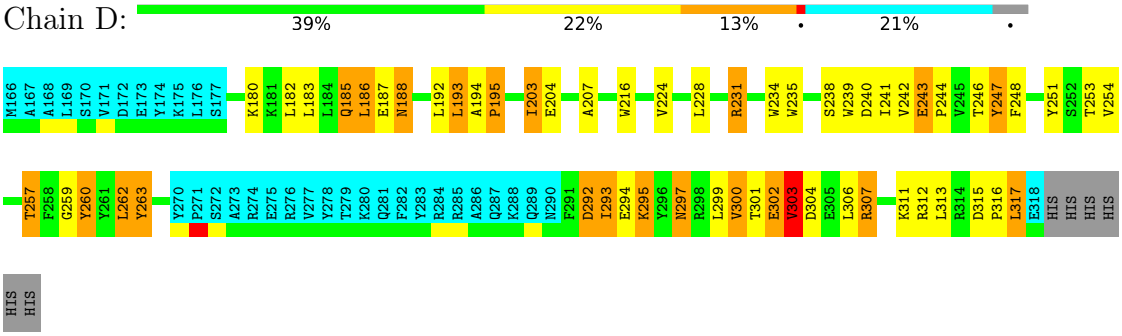
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



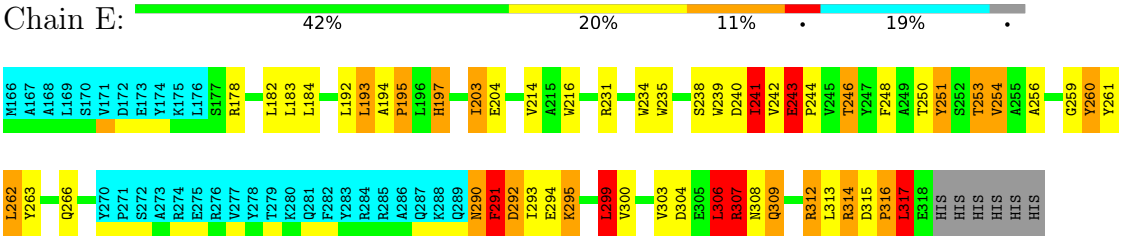
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

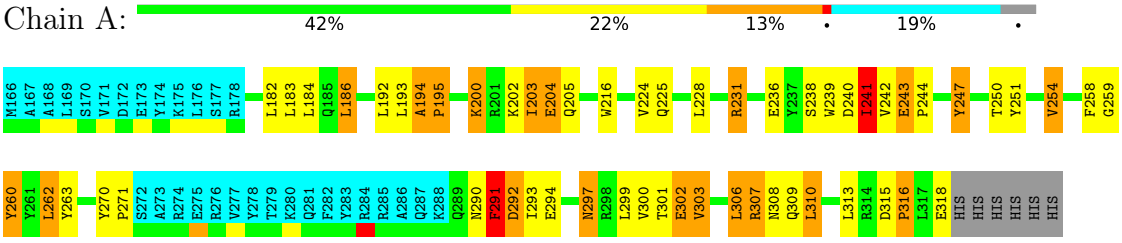
Chain E:



4.2.7 Score per residue for model 7

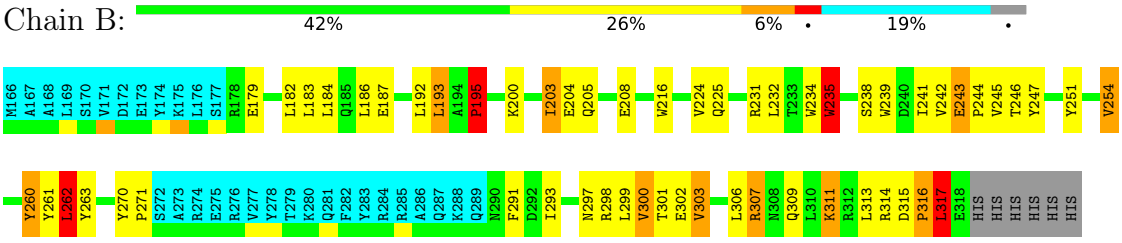
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



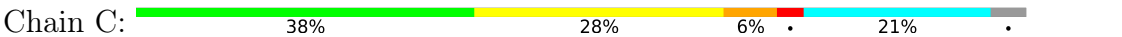
• Molecule 1: Mitochondrial Calcium Uniporter

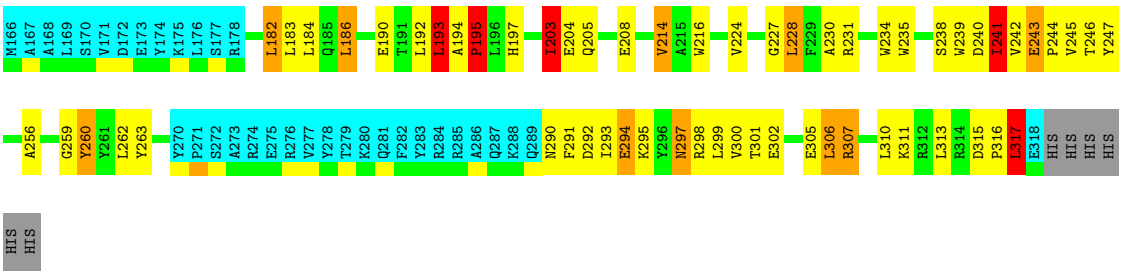
Chain B:



• Molecule 1: Mitochondrial Calcium Uniporter

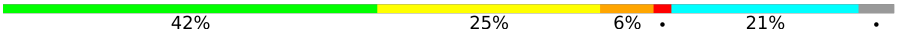
Chain C:

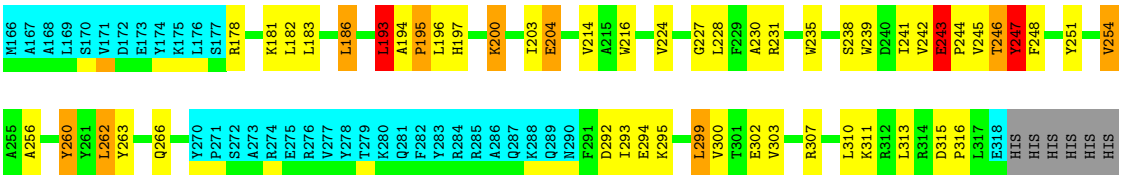




• Molecule 1: Mitochondrial Calcium Uniporter

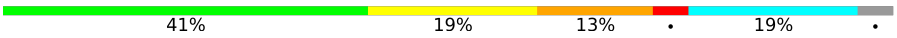
Chain D:

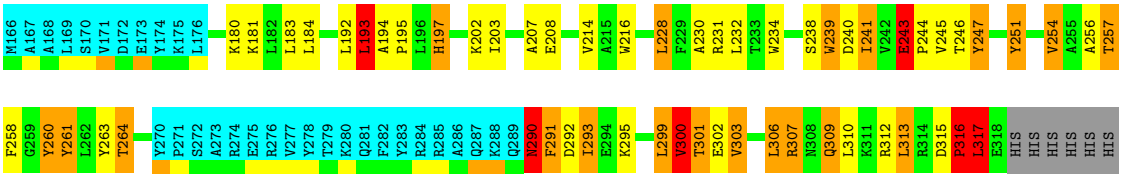




• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:

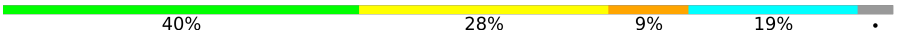


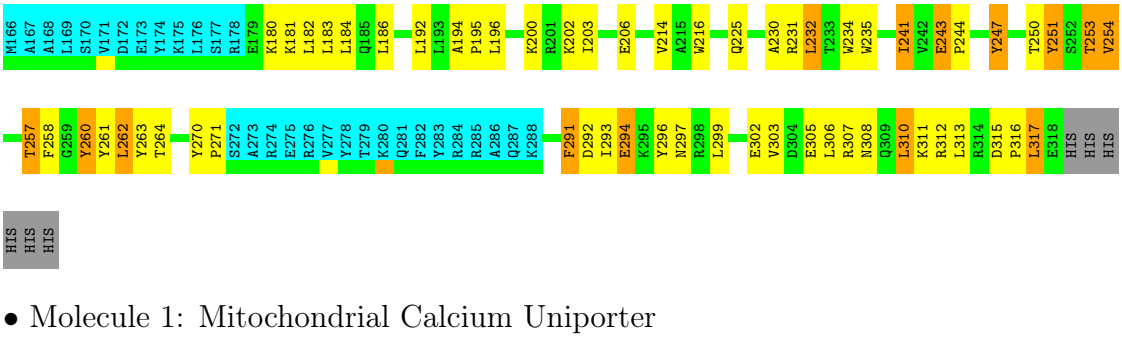


4.2.8 Score per residue for model 8

• Molecule 1: Mitochondrial Calcium Uniporter

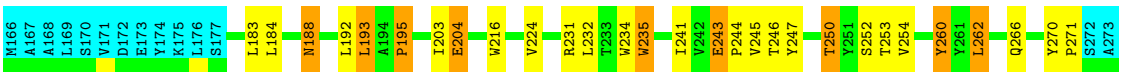
Chain A:

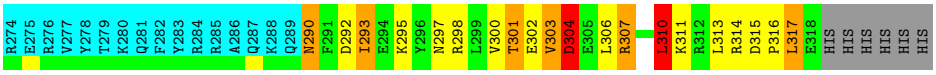




• Molecule 1: Mitochondrial Calcium Uniporter

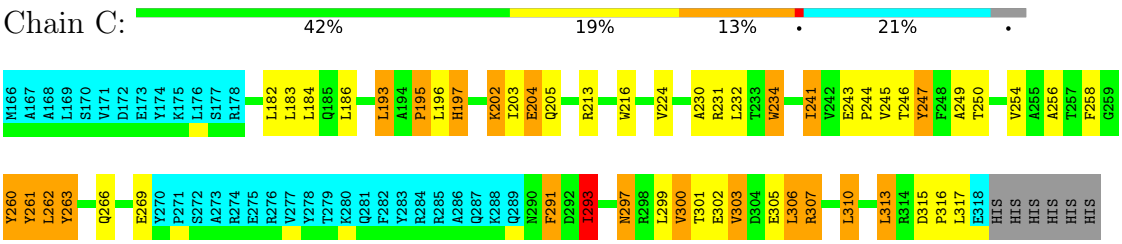
Chain B:





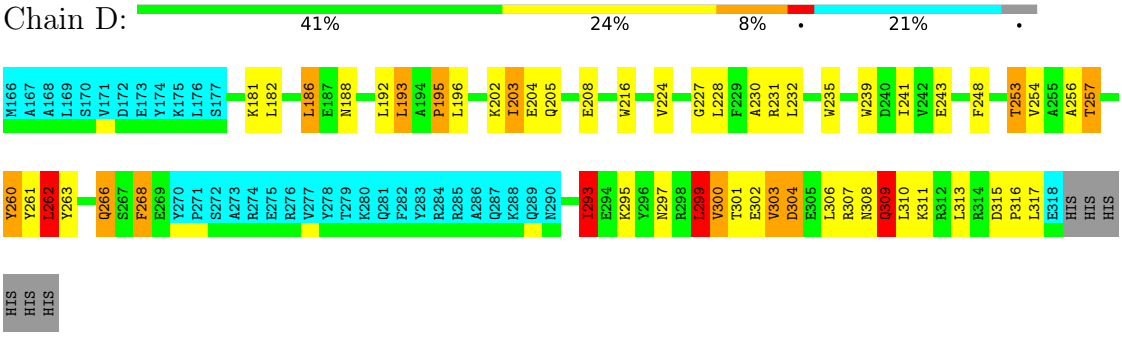
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



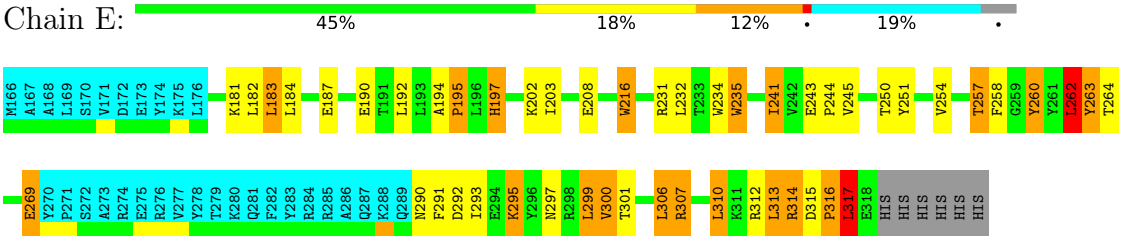
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

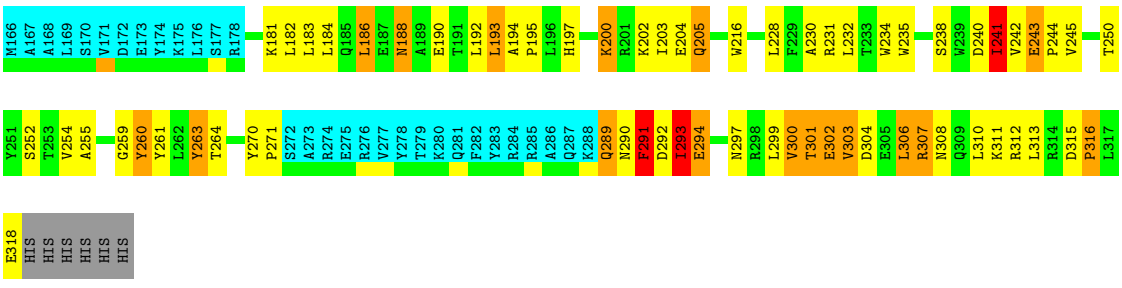
Chain E:



4.2.9 Score per residue for model 9

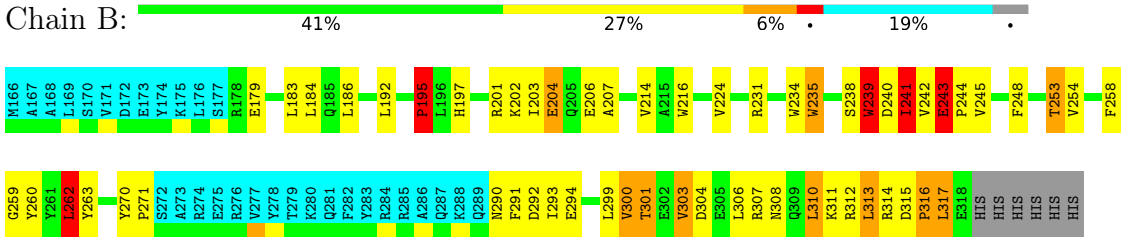
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



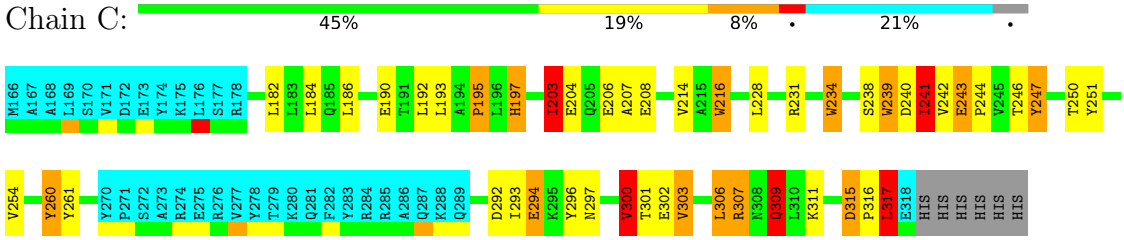
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



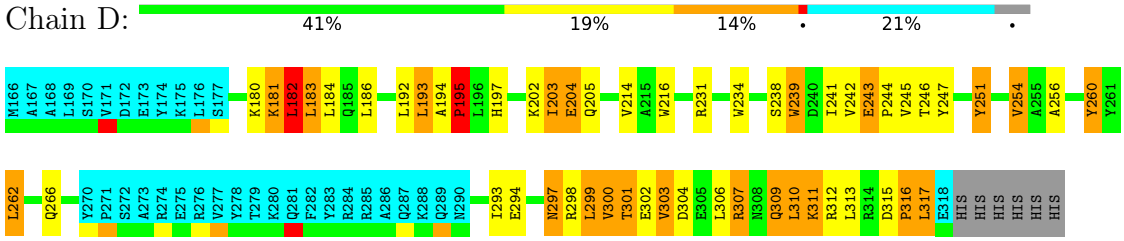
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



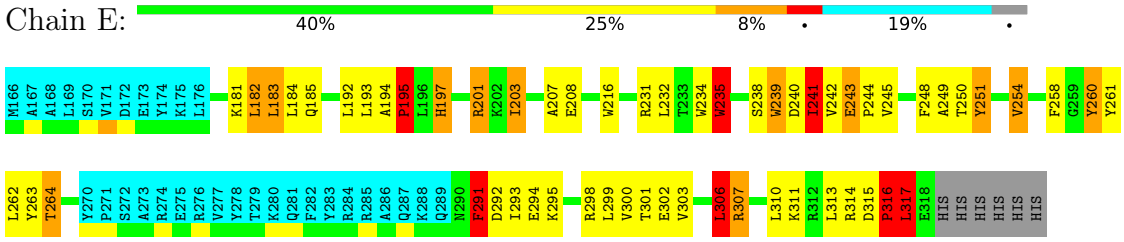
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

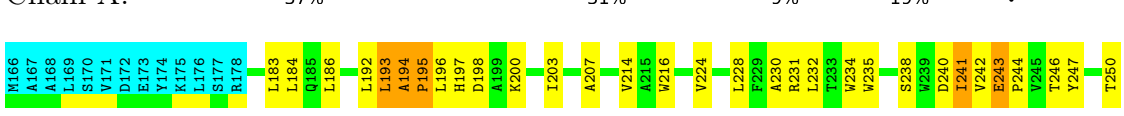
Chain E:

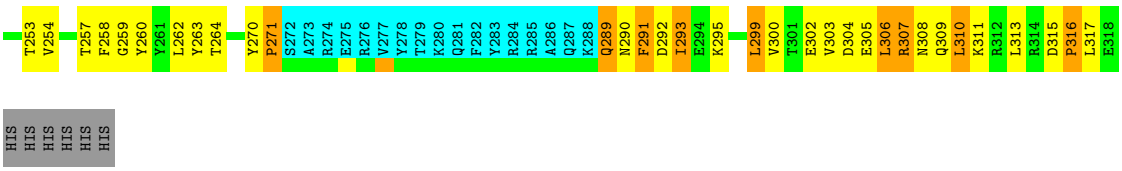


4.2.10 Score per residue for model 10

• Molecule 1: Mitochondrial Calcium Uniporter

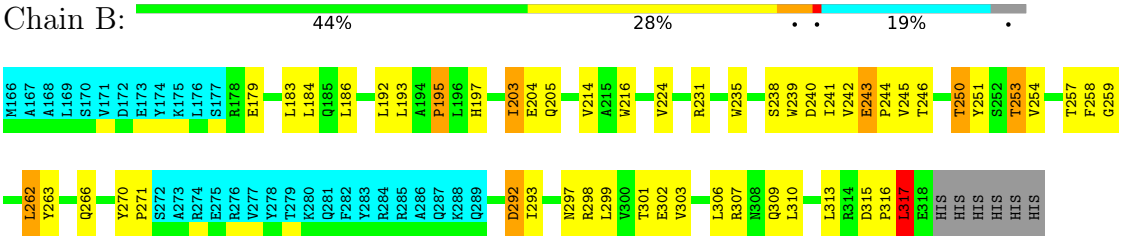
Chain A:





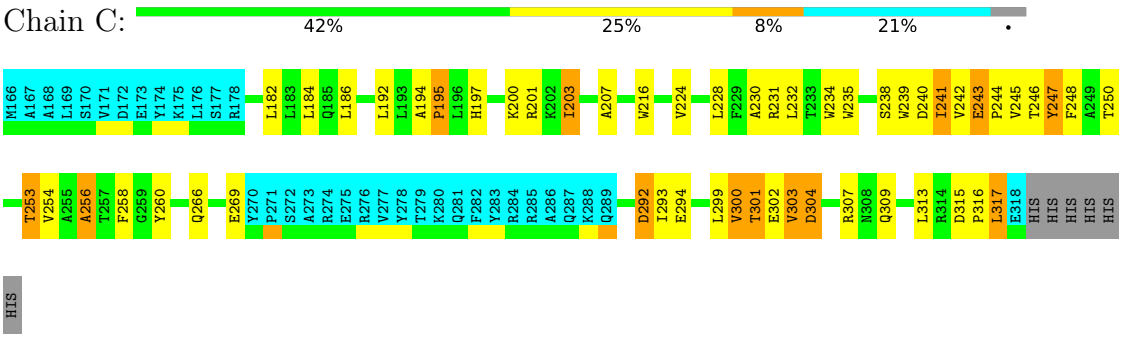
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



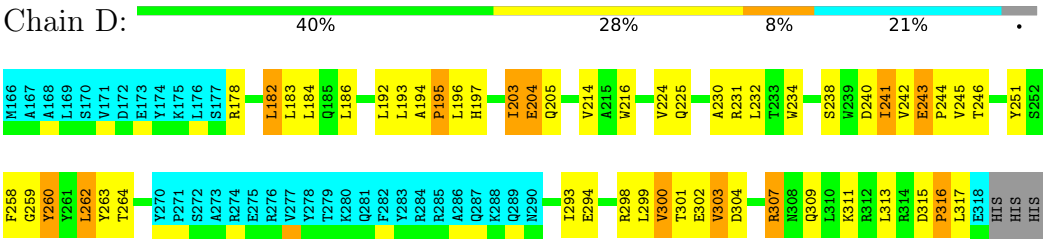
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



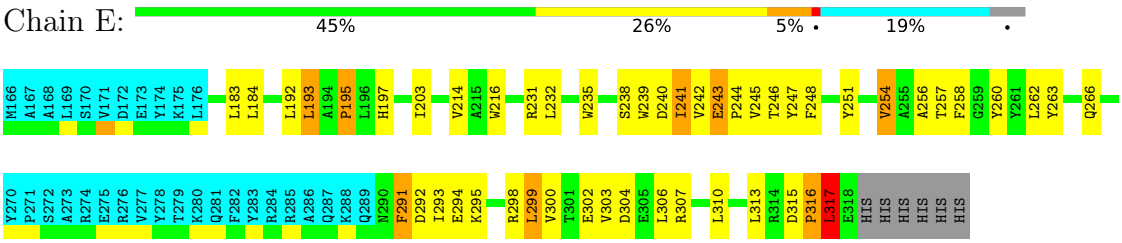
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

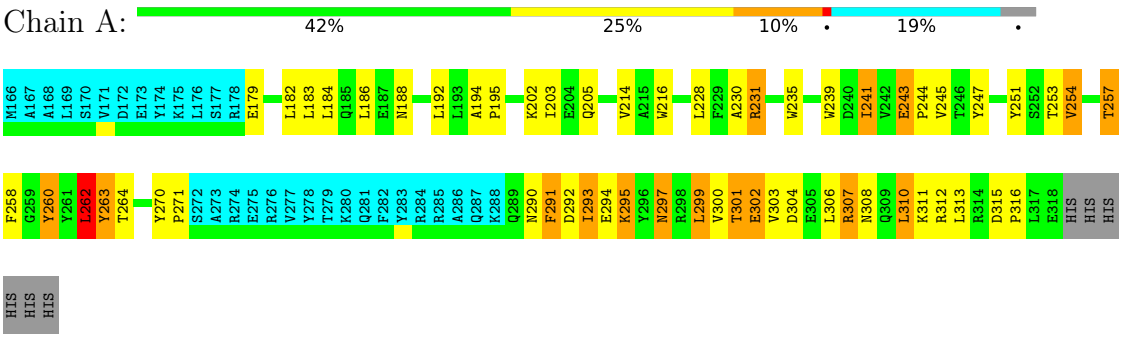
Chain E:



4.2.11 Score per residue for model 11

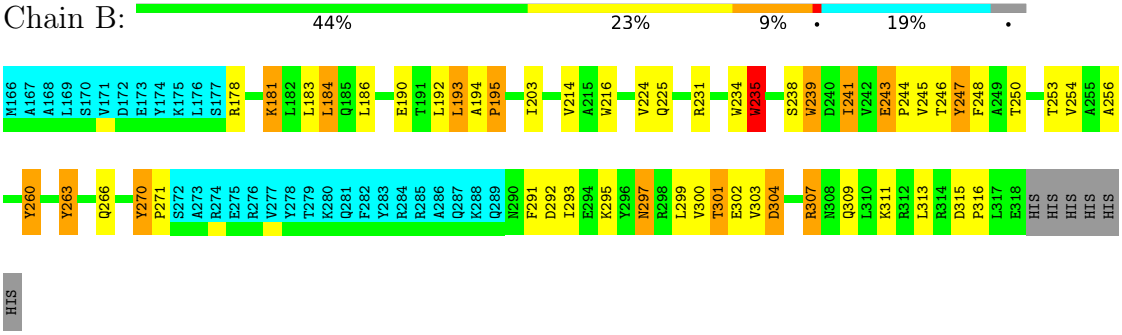
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



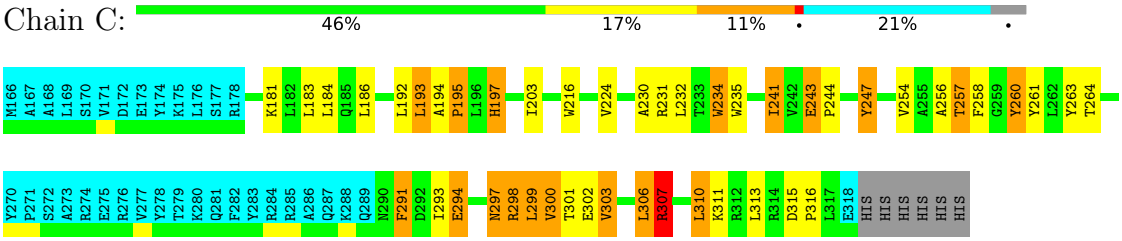
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



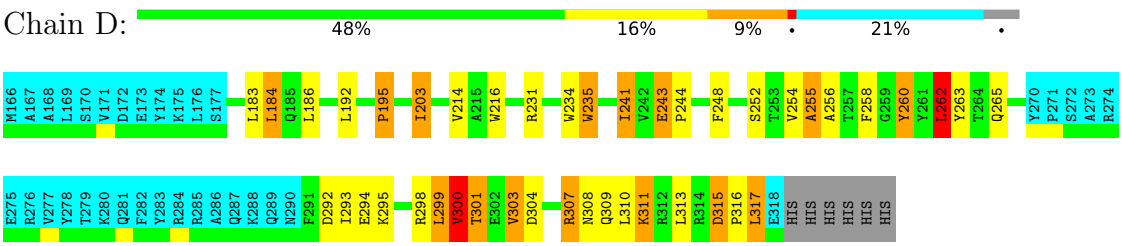
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



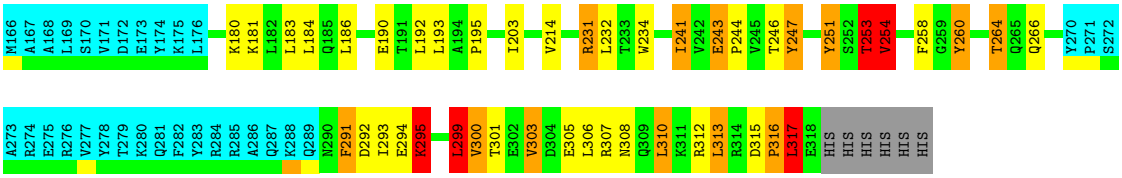
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

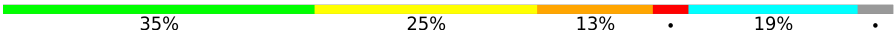
Chain E:

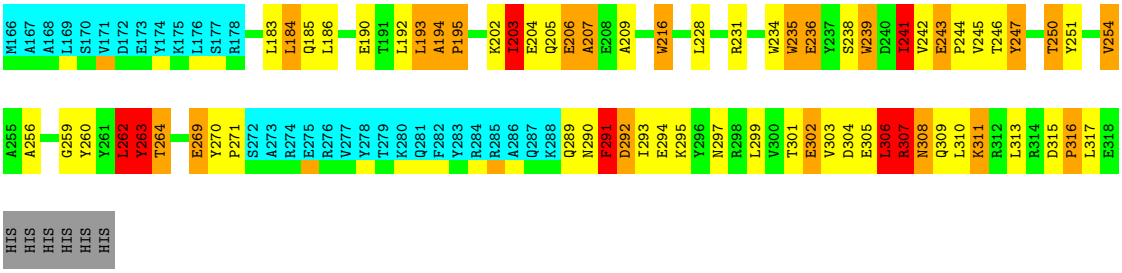


4.2.12 Score per residue for model 12

• Molecule 1: Mitochondrial Calcium Uniporter

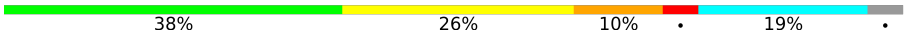
Chain A:

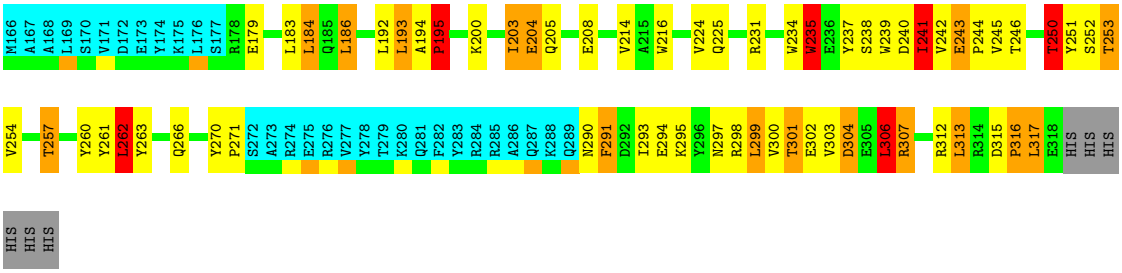




• Molecule 1: Mitochondrial Calcium Uniporter

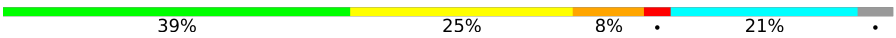
Chain B:

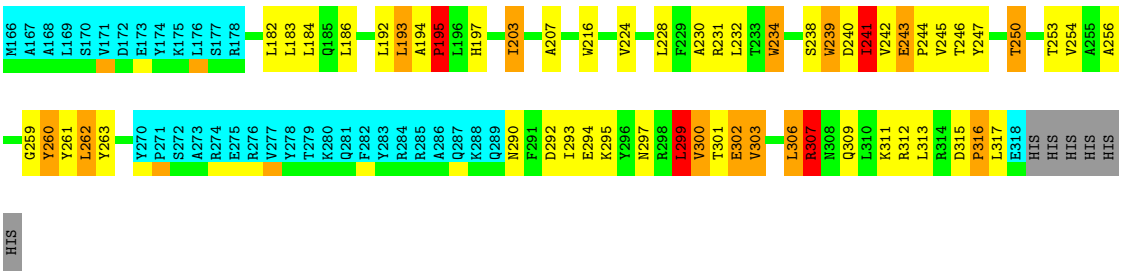




• Molecule 1: Mitochondrial Calcium Uniporter

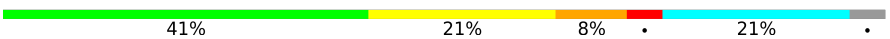
Chain C:

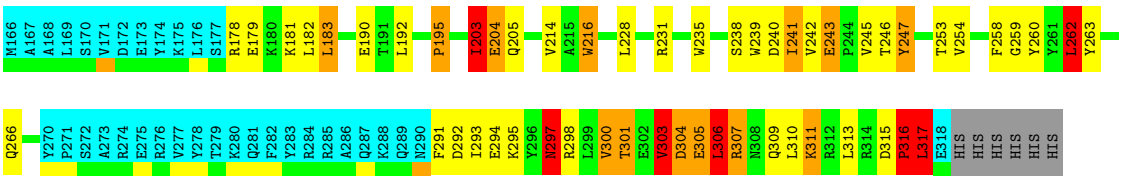




• Molecule 1: Mitochondrial Calcium Uniporter

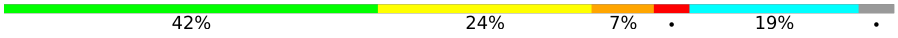
Chain D:

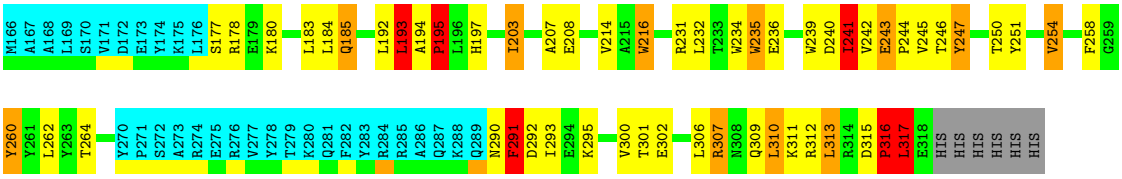




• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:

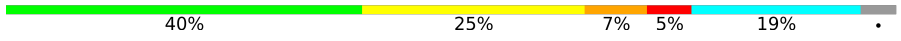


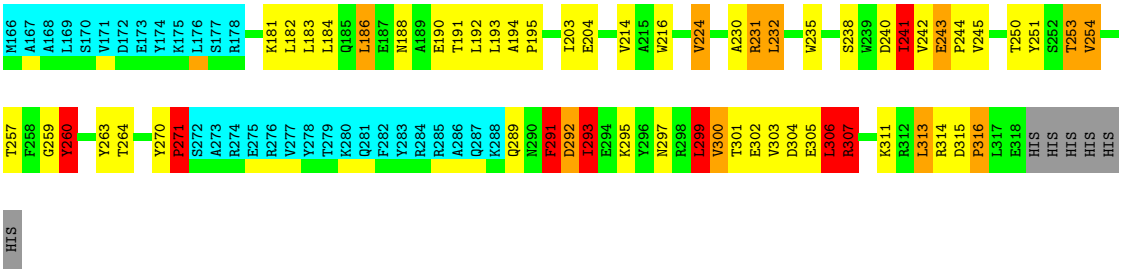


4.2.13 Score per residue for model 13

• Molecule 1: Mitochondrial Calcium Uniporter

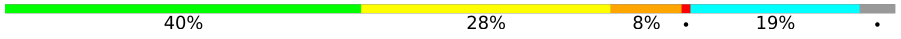
Chain A:

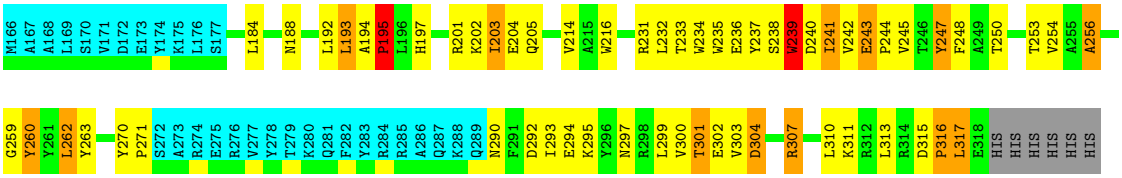




• Molecule 1: Mitochondrial Calcium Uniporter

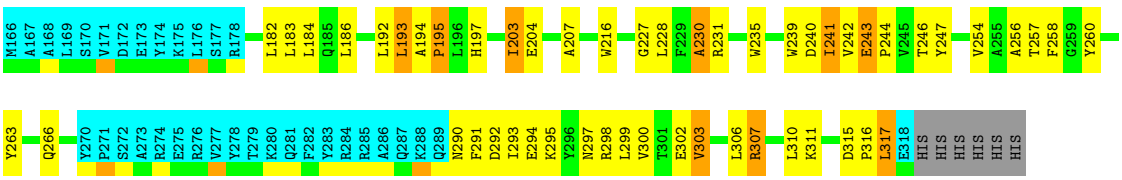
Chain B:





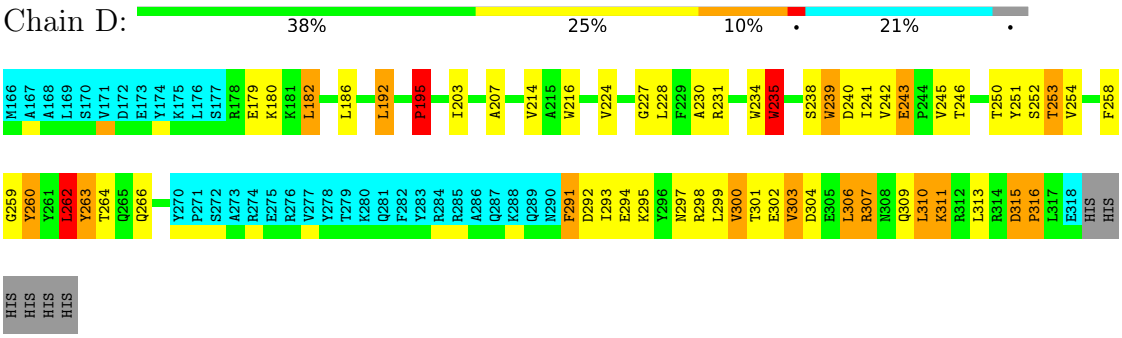
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



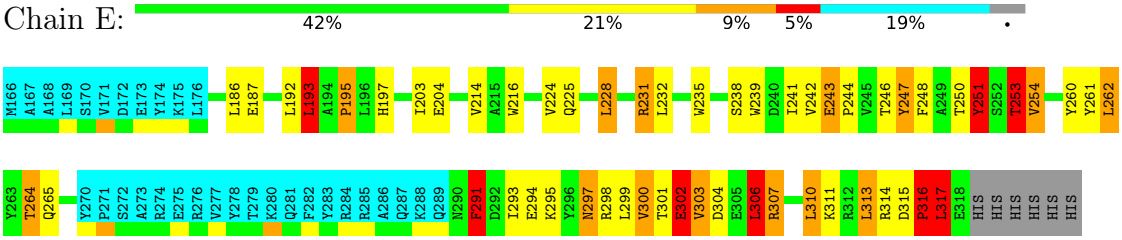
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

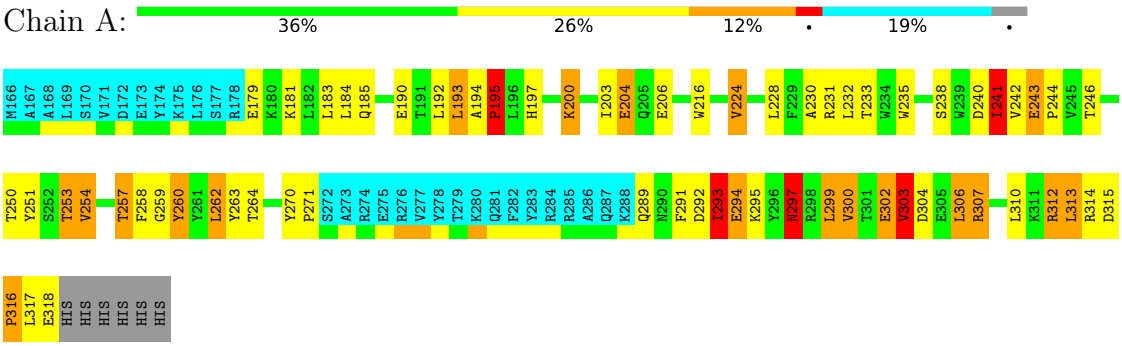
Chain E:



4.2.14 Score per residue for model 14

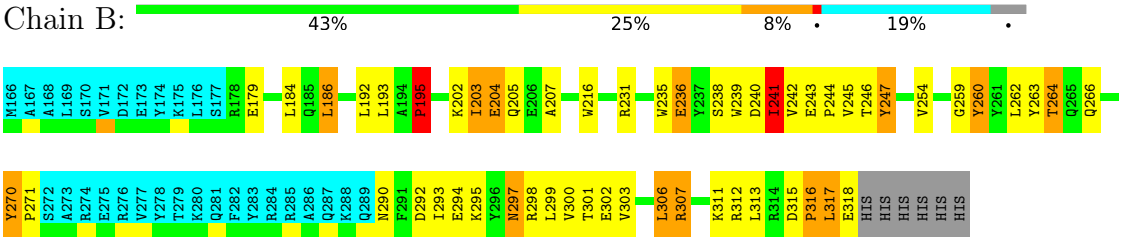
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



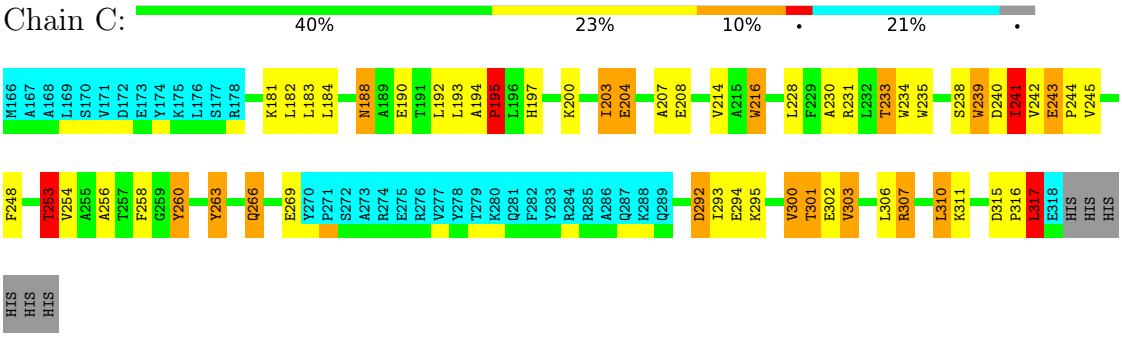
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



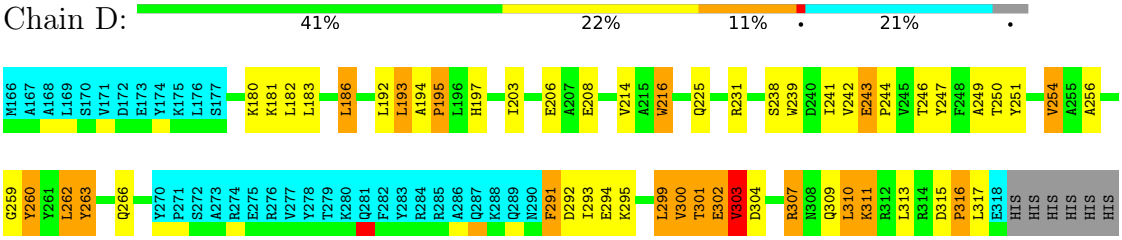
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



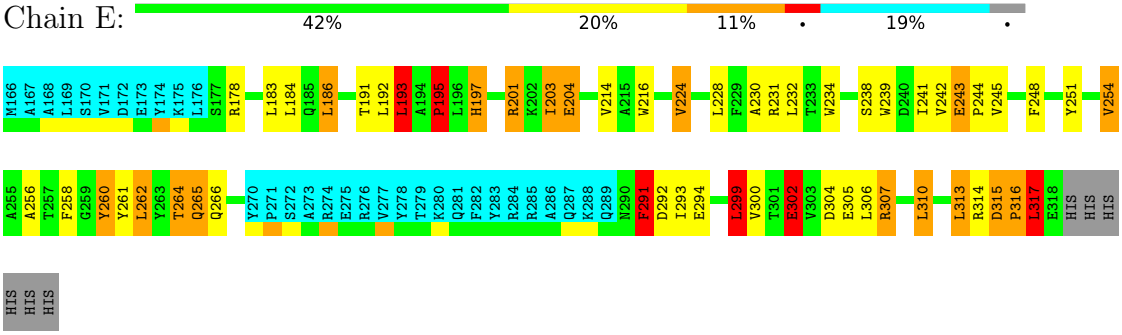
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

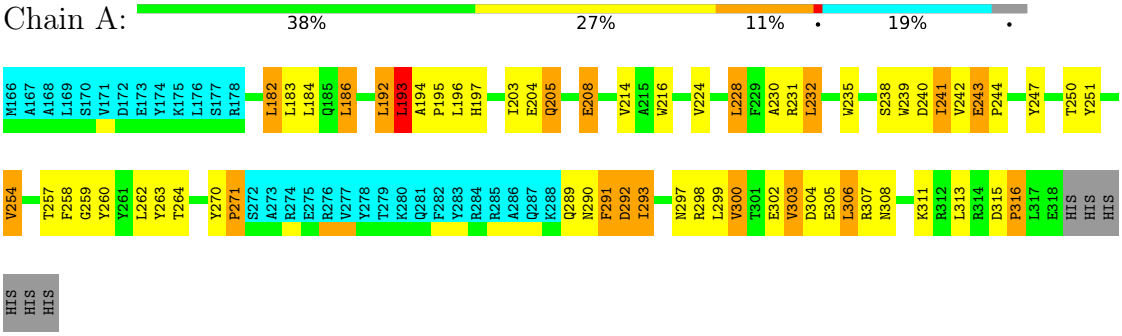
Chain E:



4.2.15 Score per residue for model 15

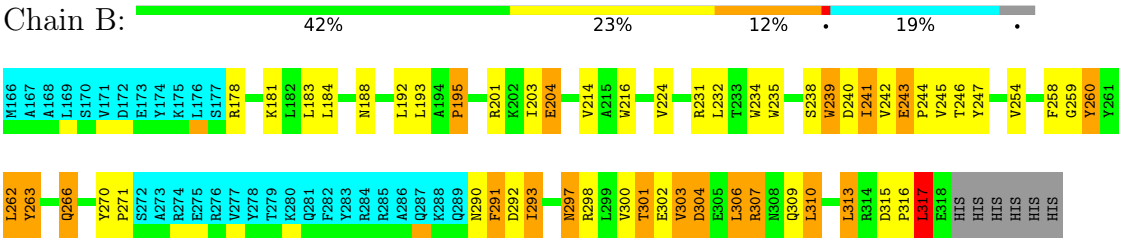
• Molecule 1: Mitochondrial Calcium Uniporter

Chain A:



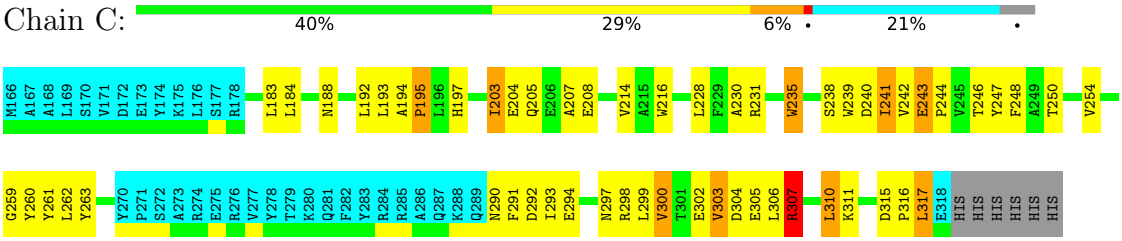
• Molecule 1: Mitochondrial Calcium Uniporter

Chain B:



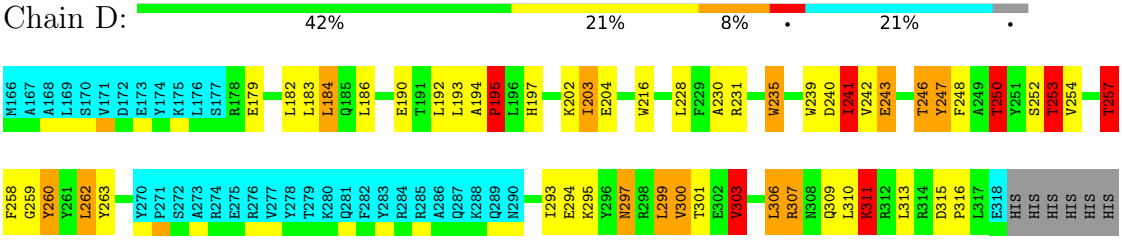
• Molecule 1: Mitochondrial Calcium Uniporter

Chain C:



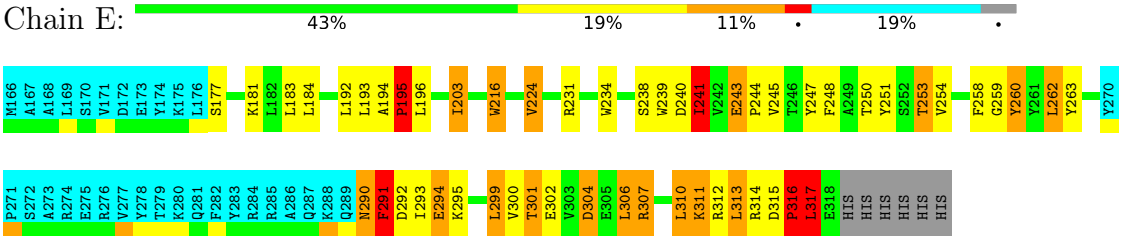
• Molecule 1: Mitochondrial Calcium Uniporter

Chain D:



• Molecule 1: Mitochondrial Calcium Uniporter

Chain E:



5 Refinement protocol and experimental data overview

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

Of the 150 calculated structures, 15 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
XPLOR-NIH	structure calculation	
XPLOR-NIH	refinement	

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	657
Number of shifts mapped to atoms	657
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	6%

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	2.89±0.02	65±6/1052 (6.2± 0.5%)	1.38±0.02	2±1/1432 (0.1± 0.1%)
1	B	2.89±0.02	63±5/1054 (6.0± 0.5%)	1.40±0.02	3±2/1434 (0.2± 0.1%)
1	C	2.91±0.02	63±5/1014 (6.2± 0.5%)	1.42±0.02	3±1/1381 (0.2± 0.1%)
1	D	2.89±0.03	59±3/1017 (5.8± 0.3%)	1.42±0.02	1±1/1384 (0.1± 0.1%)
1	E	2.90±0.02	60±6/1039 (5.7± 0.5%)	1.43±0.02	4±1/1412 (0.3± 0.1%)
All	All	2.90	4653/77640 (6.0%)	1.41	195/105645 (0.2%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	D	0.0±0.0	0.2±0.4
1	C	0.0±0.0	0.2±0.4
1	E	0.0±0.0	0.1±0.2
All	All	0	7

All unique bond 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(Å)	Ideal(Å)	Models	
								Worst	Total
1	D	293	ILE	CA-CB	10.56	1.67	1.54	14	15
1	B	315	ASP	N-CA	10.44	1.55	1.46	13	15
1	C	316	PRO	N-CA	10.41	1.56	1.46	14	15
1	E	293	ILE	CA-CB	10.30	1.66	1.54	4	15
1	E	300	VAL	CA-CB	10.28	1.67	1.54	7	14
1	B	241	ILE	CA-CB	10.21	1.68	1.54	3	15
1	B	315	ASP	CA-C	10.17	1.64	1.52	7	15
1	E	315	ASP	N-CA	10.05	1.56	1.46	10	15
1	D	315	ASP	CA-C	9.99	1.64	1.52	4	15
1	A	241	ILE	CA-CB	9.71	1.67	1.54	11	15

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	315	ASP	CA-C	9.68	1.63	1.52	11	15
1	A	303	VAL	CA-CB	9.66	1.66	1.54	7	13
1	A	315	ASP	N-CA	9.62	1.55	1.46	2	15
1	C	315	ASP	N-CA	9.59	1.55	1.46	3	15
1	E	315	ASP	CA-C	9.58	1.63	1.52	15	15
1	C	241	ILE	CA-CB	9.50	1.67	1.54	11	15
1	C	300	VAL	CA-CB	9.46	1.66	1.54	9	13
1	D	241	ILE	CA-CB	9.46	1.67	1.54	15	15
1	D	315	ASP	N-CA	9.43	1.55	1.46	11	15
1	E	241	ILE	CA-CB	9.42	1.67	1.54	11	15
1	D	307	ARG	CA-CB	9.40	1.68	1.53	1	15
1	A	293	ILE	CA-CB	9.36	1.65	1.54	8	15
1	E	203	ILE	CA-CB	9.32	1.65	1.54	13	15
1	A	315	ASP	CA-C	9.31	1.63	1.52	15	15
1	C	293	ILE	CA-CB	9.31	1.65	1.54	6	15
1	E	243	GLU	CA-C	9.27	1.64	1.52	6	14
1	A	204	GLU	CA-C	9.24	1.57	1.52	12	1
1	B	307	ARG	CA-CB	9.10	1.68	1.53	5	15
1	B	293	ILE	CA-CB	9.08	1.65	1.54	2	15
1	A	307	ARG	CA-CB	9.05	1.67	1.53	13	15
1	D	203	ILE	CA-CB	8.95	1.67	1.54	6	15
1	B	243	GLU	CA-CB	8.93	1.67	1.53	11	14
1	D	214	VAL	CA-CB	8.91	1.64	1.54	1	12
1	A	260	TYR	N-CA	8.84	1.56	1.46	13	8
1	B	242	VAL	N-CA	8.79	1.56	1.46	14	1
1	A	243	GLU	CA-C	8.73	1.63	1.52	13	14
1	E	307	ARG	CA-CB	8.72	1.67	1.53	10	15
1	D	316	PRO	N-CA	8.69	1.58	1.47	4	15
1	C	214	VAL	CA-CB	8.67	1.65	1.54	7	9
1	E	303	VAL	CA-CB	8.64	1.65	1.54	3	9
1	A	313	LEU	N-CA	8.53	1.56	1.46	14	13
1	E	243	GLU	CA-CB	8.50	1.66	1.53	7	14
1	C	307	ARG	CA-CB	8.44	1.66	1.53	2	15
1	C	306	LEU	CA-CB	8.37	1.66	1.53	9	14
1	E	299	LEU	N-CA	8.36	1.56	1.46	11	7
1	A	300	VAL	CA-CB	8.24	1.64	1.54	2	7
1	D	311	LYS	C-N	8.20	1.44	1.33	10	15
1	B	313	LEU	N-CA	8.18	1.56	1.46	5	14
1	D	260	TYR	N-CA	8.13	1.55	1.46	10	12
1	D	254	VAL	CA-CB	8.07	1.64	1.54	10	13
1	C	203	ILE	CA-CB	8.07	1.65	1.54	3	15

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	303	VAL	CA-CB	8.06	1.64	1.54	9	14
1	E	306	LEU	CA-CB	8.03	1.65	1.53	3	10
1	B	300	VAL	CA-C	8.01	1.63	1.52	8	12
1	B	303	VAL	CA-CB	7.96	1.64	1.54	5	10
1	B	243	GLU	CA-C	7.96	1.62	1.52	2	14
1	E	300	VAL	CA-C	7.94	1.63	1.52	4	13
1	B	315	ASP	CA-CB	7.94	1.63	1.53	13	2
1	D	294	GLU	CA-CB	7.89	1.65	1.53	7	14
1	D	303	VAL	CA-CB	7.87	1.64	1.54	4	13
1	B	301	THR	N-CA	7.86	1.56	1.46	5	13
1	D	231	ARG	CA-CB	7.86	1.65	1.53	5	15
1	D	243	GLU	CA-CB	7.85	1.65	1.53	9	12
1	B	316	PRO	N-CA	7.85	1.57	1.47	3	15
1	C	306	LEU	N-CA	7.84	1.56	1.46	12	11
1	A	244	PRO	N-CA	7.79	1.57	1.47	13	15
1	E	317	LEU	CA-CB	7.79	1.66	1.53	14	15
1	E	316	PRO	N-CA	7.73	1.57	1.47	2	15
1	C	311	LYS	CA-CB	7.72	1.65	1.53	6	3
1	E	254	VAL	CA-CB	7.66	1.64	1.54	12	15
1	A	243	GLU	CA-CB	7.65	1.65	1.53	12	14
1	D	300	VAL	CA-C	7.62	1.62	1.52	15	15
1	A	306	LEU	CA-CB	7.62	1.65	1.53	7	15
1	A	316	PRO	N-CA	7.60	1.57	1.47	5	15
1	C	202	LYS	CA-CB	7.58	1.65	1.53	6	3
1	A	203	ILE	CA-CB	7.58	1.64	1.54	4	15
1	E	231	ARG	CA-CB	7.57	1.65	1.53	13	15
1	D	263	TYR	N-CA	7.57	1.55	1.46	11	14
1	A	231	ARG	CA-CB	7.55	1.65	1.53	4	15
1	E	263	TYR	N-CA	7.55	1.55	1.46	6	6
1	B	270	TYR	CA-CB	7.54	1.62	1.53	8	13
1	D	258	PHE	N-CA	7.53	1.55	1.46	2	10
1	A	299	LEU	N-CA	7.53	1.55	1.46	15	8
1	E	302	GLU	N-CA	7.51	1.55	1.46	13	10
1	D	243	GLU	CA-C	7.50	1.62	1.52	9	12
1	B	254	VAL	N-CA	7.50	1.55	1.46	4	13
1	D	293	ILE	N-CA	7.50	1.55	1.46	14	14
1	A	224	VAL	CA-CB	7.49	1.64	1.54	13	9
1	C	260	TYR	N-CA	7.48	1.54	1.46	8	12
1	C	293	ILE	N-CA	7.48	1.55	1.46	3	14
1	C	303	VAL	N-CA	7.46	1.55	1.46	6	14
1	C	241	ILE	CB-CG1	7.44	1.68	1.53	12	14

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	D	301	THR	N-CA	7.44	1.55	1.46	3	14
1	A	184	LEU	CB-CG	7.42	1.68	1.53	8	15
1	B	300	VAL	C-N	7.41	1.43	1.33	8	6
1	B	254	VAL	CA-CB	7.41	1.63	1.54	7	12
1	E	244	PRO	N-CA	7.41	1.57	1.47	9	14
1	A	200	LYS	CA-CB	7.40	1.64	1.53	1	9
1	C	197	HIS	CA-CB	7.38	1.64	1.53	8	5
1	D	300	VAL	CA-CB	7.38	1.65	1.54	11	9
1	E	295	LYS	CA-CB	7.37	1.64	1.53	11	12
1	A	254	VAL	CA-CB	7.34	1.63	1.54	14	15
1	C	294	GLU	CA-CB	7.33	1.65	1.53	15	12
1	A	306	LEU	CB-CG	7.29	1.68	1.53	7	4
1	D	313	LEU	N-CA	7.27	1.55	1.46	5	15
1	E	299	LEU	C-N	7.26	1.42	1.34	8	10
1	B	231	ARG	CA-CB	7.25	1.64	1.53	15	14
1	D	295	LYS	CA-CB	7.25	1.64	1.53	13	11
1	B	309	GLN	CA-CB	7.24	1.64	1.53	2	8
1	B	293	ILE	N-CA	7.24	1.55	1.46	15	15
1	A	300	VAL	CA-C	7.23	1.62	1.52	5	13
1	D	306	LEU	N-CA	7.21	1.55	1.46	3	5
1	B	317	LEU	CA-CB	7.19	1.65	1.53	10	11
1	B	178	ARG	CA-CB	7.17	1.61	1.52	4	3
1	B	270	TYR	CA-C	7.17	1.60	1.52	6	15
1	A	301	THR	N-CA	7.17	1.55	1.46	13	7
1	C	301	THR	N-CA	7.17	1.55	1.46	2	6
1	C	300	VAL	CA-C	7.16	1.62	1.52	2	12
1	E	309	GLN	CA-CB	7.14	1.64	1.53	3	4
1	E	315	ASP	CA-CB	7.14	1.62	1.53	14	4
1	C	181	LYS	CA-CB	7.14	1.64	1.53	11	6
1	C	246	THR	C-N	7.13	1.43	1.33	1	11
1	C	315	ASP	CA-CB	7.08	1.62	1.53	3	6
1	A	311	LYS	CA-CB	7.06	1.64	1.53	1	3
1	A	204	GLU	N-CA	7.05	1.55	1.46	7	6
1	A	299	LEU	C-N	7.05	1.42	1.34	1	12
1	D	315	ASP	CA-CB	7.05	1.62	1.53	11	5
1	B	313	LEU	CA-CB	7.04	1.64	1.53	2	10
1	C	258	PHE	N-CA	7.03	1.54	1.46	11	9
1	A	271	PRO	N-CA	7.03	1.56	1.47	10	15
1	E	194	ALA	N-CA	7.03	1.51	1.46	6	3
1	A	313	LEU	CA-CB	7.01	1.64	1.53	14	2
1	C	261	TYR	CA-CB	7.00	1.64	1.53	2	3

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	293	ILE	N-CA	7.00	1.54	1.46	2	15
1	C	243	GLU	CA-CB	6.99	1.64	1.53	7	13
1	E	260	TYR	CA-CB	6.99	1.64	1.53	11	11
1	C	254	VAL	CA-CB	6.99	1.63	1.54	6	11
1	E	264	THR	CA-CB	6.98	1.64	1.53	1	10
1	A	241	ILE	CB-CG1	6.98	1.67	1.53	2	15
1	A	306	LEU	N-CA	6.97	1.54	1.46	8	12
1	A	304	ASP	N-CA	6.96	1.54	1.46	1	10
1	E	293	ILE	N-CA	6.96	1.54	1.46	4	13
1	D	194	ALA	N-CA	6.96	1.51	1.46	15	1
1	C	243	GLU	CA-C	6.96	1.61	1.52	5	14
1	A	310	LEU	CB-CG	6.92	1.67	1.53	14	9
1	C	231	ARG	CA-CB	6.92	1.64	1.53	13	15
1	A	300	VAL	C-N	6.92	1.43	1.34	5	2
1	C	295	LYS	CA-CB	6.91	1.64	1.53	12	5
1	A	235	TRP	CA-C	6.91	1.62	1.52	2	2
1	C	302	GLU	N-CA	6.88	1.54	1.46	10	10
1	B	263	TYR	CA-C	6.88	1.61	1.52	1	2
1	C	262	LEU	CB-CG	6.86	1.67	1.53	8	3
1	C	300	VAL	C-N	6.84	1.43	1.34	2	4
1	B	200	LYS	CA-CB	6.82	1.64	1.53	12	2
1	A	317	LEU	CA-C	6.82	1.56	1.52	4	1
1	A	181	LYS	CA-CB	6.81	1.64	1.53	1	5
1	D	204	GLU	N-CA	6.81	1.54	1.46	9	7
1	D	303	VAL	N-CA	6.81	1.55	1.46	11	13
1	A	202	LYS	CA-CB	6.80	1.64	1.53	5	7
1	E	310	LEU	CB-CG	6.79	1.67	1.53	7	11
1	B	241	ILE	CB-CG1	6.79	1.67	1.53	14	15
1	A	235	TRP	CA-CB	6.79	1.65	1.53	2	2
1	B	300	VAL	N-CA	6.78	1.54	1.46	14	2
1	E	301	THR	N-CA	6.77	1.54	1.46	2	7
1	E	292	ASP	C-N	6.77	1.42	1.33	14	10
1	B	302	GLU	N-CA	6.75	1.54	1.46	10	13
1	B	235	TRP	CA-C	6.75	1.61	1.52	8	4
1	D	247	TYR	CA-CB	6.74	1.63	1.53	7	7
1	A	303	VAL	N-CA	6.74	1.54	1.46	7	7
1	B	239	TRP	CA-CB	6.74	1.64	1.53	6	5
1	B	214	VAL	CA-CB	6.72	1.62	1.54	1	9
1	E	224	VAL	CA-CB	6.71	1.63	1.54	15	4
1	E	235	TRP	CA-C	6.70	1.61	1.52	9	4
1	B	270	TYR	N-CA	6.69	1.52	1.46	10	14

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	270	TYR	CA-C	6.69	1.60	1.52	15	15
1	B	263	TYR	N-CA	6.68	1.54	1.46	5	9
1	A	193	LEU	CA-CB	6.68	1.64	1.53	10	6
1	A	254	VAL	N-CA	6.68	1.54	1.46	2	14
1	A	294	GLU	CA-CB	6.67	1.63	1.53	5	11
1	B	303	VAL	N-CA	6.66	1.54	1.46	7	11
1	D	291	PHE	CA-CB	6.65	1.64	1.53	13	4
1	D	192	LEU	CA-CB	6.65	1.63	1.53	13	12
1	C	230	ALA	C-N	6.64	1.42	1.33	2	13
1	D	304	ASP	N-CA	6.64	1.54	1.46	8	12
1	A	302	GLU	CA-CB	6.61	1.63	1.53	9	15
1	B	271	PRO	N-CA	6.61	1.55	1.47	12	15
1	A	192	LEU	CA-CB	6.60	1.63	1.53	15	12
1	C	247	TYR	CA-CB	6.60	1.63	1.53	15	13
1	D	309	GLN	CA-C	6.60	1.61	1.52	8	6
1	B	201	ARG	CA-CB	6.60	1.63	1.53	15	3
1	C	310	LEU	CA-CB	6.58	1.63	1.53	4	7
1	D	299	LEU	CA-C	6.57	1.61	1.52	10	4
1	A	317	LEU	CA-CB	6.56	1.61	1.54	4	5
1	E	260	TYR	N-CA	6.56	1.53	1.46	9	12
1	C	254	VAL	N-CA	6.55	1.54	1.46	8	14
1	A	228	LEU	N-CA	6.55	1.54	1.46	12	5
1	B	246	THR	C-N	6.55	1.42	1.33	2	11
1	A	188	ASN	CA-CB	6.54	1.63	1.53	9	1
1	A	180	LYS	CA-CB	6.54	1.63	1.53	4	2
1	E	185	GLN	CA-CB	6.54	1.63	1.53	3	2
1	E	241	ILE	CB-CG1	6.54	1.66	1.53	9	14
1	C	293	ILE	CB-CG1	6.53	1.66	1.53	2	5
1	D	241	ILE	CB-CG1	6.51	1.66	1.53	4	15
1	C	244	PRO	N-CA	6.51	1.56	1.47	5	14
1	A	312	ARG	C-N	6.50	1.42	1.34	14	3
1	D	253	THR	N-CA	6.50	1.54	1.46	4	7
1	B	203	ILE	CA-CB	6.50	1.63	1.54	3	15
1	E	204	GLU	N-CA	6.50	1.54	1.46	5	2
1	B	197	HIS	CA-CB	6.49	1.63	1.53	10	3
1	C	263	TYR	N-CA	6.49	1.53	1.46	13	9
1	B	202	LYS	CA-CB	6.48	1.63	1.53	9	3
1	B	306	LEU	CA-CB	6.47	1.64	1.53	12	7
1	E	192	LEU	CA-CB	6.47	1.63	1.53	1	11
1	C	316	PRO	CA-CB	6.47	1.62	1.53	11	7
1	A	205	GLN	CA-CB	6.47	1.63	1.53	3	3

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	262	LEU	CA-CB	6.47	1.64	1.53	5	3
1	C	260	TYR	CA-CB	6.47	1.63	1.53	11	13
1	E	300	VAL	N-CA	6.46	1.54	1.46	15	5
1	A	202	LYS	N-CA	6.45	1.54	1.46	3	3
1	E	239	TRP	CA-CB	6.45	1.64	1.53	4	1
1	E	291	PHE	CA-CB	6.45	1.64	1.53	1	15
1	D	179	GLU	CA-CB	6.45	1.64	1.53	4	4
1	A	235	TRP	C-N	6.45	1.42	1.33	2	2
1	E	299	LEU	CA-C	6.44	1.61	1.52	2	2
1	A	305	GLU	C-N	6.44	1.42	1.33	8	6
1	E	300	VAL	C-N	6.43	1.42	1.34	2	4
1	D	302	GLU	CA-CB	6.43	1.63	1.53	6	3
1	E	306	LEU	CB-CG	6.43	1.66	1.53	13	8
1	E	187	GLU	CA-CB	6.43	1.63	1.53	13	1
1	C	309	GLN	CA-CB	6.42	1.63	1.53	9	4
1	E	246	THR	C-N	6.42	1.42	1.33	12	8
1	A	201	ARG	CA-CB	6.41	1.63	1.53	3	2
1	A	260	TYR	CA-CB	6.40	1.63	1.53	13	11
1	E	216	TRP	CA-CB	6.39	1.63	1.53	12	14
1	A	309	GLN	N-CA	6.38	1.54	1.46	12	1
1	D	300	VAL	C-N	6.37	1.42	1.34	3	4
1	C	193	LEU	CA-CB	6.37	1.64	1.53	5	2
1	D	244	PRO	N-CA	6.37	1.56	1.47	11	9
1	E	261	TYR	CA-CB	6.36	1.63	1.53	7	3
1	B	244	PRO	N-CA	6.35	1.56	1.47	2	15
1	E	254	VAL	N-CA	6.35	1.54	1.46	4	7
1	D	311	LYS	CA-CB	6.35	1.63	1.53	3	4
1	B	216	TRP	CA-CB	6.34	1.63	1.53	11	15
1	E	294	GLU	CA-CB	6.34	1.63	1.53	6	12
1	E	304	ASP	N-CA	6.34	1.54	1.46	15	9
1	C	186	LEU	CA-CB	6.33	1.63	1.53	6	8
1	B	241	ILE	CA-C	6.33	1.60	1.52	14	1
1	D	182	LEU	CA-CB	6.33	1.63	1.53	9	8
1	A	203	ILE	CB-CG1	6.33	1.66	1.53	12	2
1	B	204	GLU	N-CA	6.33	1.54	1.46	15	7
1	A	232	LEU	CA-CB	6.32	1.63	1.53	10	7
1	E	201	ARG	CA-CB	6.32	1.63	1.53	9	2
1	A	230	ALA	C-N	6.32	1.42	1.33	5	10
1	C	184	LEU	CB-CG	6.32	1.66	1.53	15	15
1	D	195	PRO	N-CA	6.31	1.55	1.47	8	14
1	B	241	ILE	C-N	6.31	1.41	1.33	14	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	245	VAL	CA-CB	6.31	1.61	1.54	6	8
1	A	263	TYR	N-CA	6.30	1.53	1.46	13	13
1	E	251	TYR	N-CA	6.30	1.53	1.46	15	3
1	D	193	LEU	CA-CB	6.29	1.64	1.53	8	11
1	D	317	LEU	CA-CB	6.29	1.64	1.53	11	8
1	B	260	TYR	N-CA	6.29	1.54	1.46	3	7
1	B	235	TRP	C-N	6.29	1.42	1.33	8	3
1	A	216	TRP	CA-CB	6.28	1.63	1.53	9	15
1	A	307	ARG	N-CA	6.28	1.54	1.46	5	5
1	B	299	LEU	CA-C	6.27	1.60	1.52	14	5
1	E	307	ARG	N-CA	6.27	1.54	1.46	4	7
1	C	292	ASP	C-N	6.26	1.41	1.33	3	7
1	D	264	THR	N-CA	6.26	1.54	1.46	10	1
1	C	183	LEU	CB-CG	6.26	1.66	1.53	2	2
1	C	184	LEU	N-CA	6.26	1.53	1.46	12	7
1	B	247	TYR	CA-CB	6.25	1.63	1.53	2	9
1	D	253	THR	CA-CB	6.25	1.63	1.53	15	4
1	D	246	THR	C-N	6.24	1.42	1.33	6	11
1	E	234	TRP	N-CA	6.24	1.53	1.46	11	4
1	A	241	ILE	C-N	6.24	1.42	1.33	14	3
1	A	270	TYR	CA-CB	6.24	1.62	1.53	10	3
1	A	258	PHE	N-CA	6.24	1.53	1.46	10	8
1	E	235	TRP	CA-CB	6.24	1.64	1.53	2	4
1	B	235	TRP	CA-CB	6.23	1.64	1.53	4	8
1	D	292	ASP	C-N	6.23	1.41	1.33	14	7
1	E	197	HIS	N-CA	6.23	1.53	1.46	6	12
1	E	183	LEU	CB-CG	6.23	1.66	1.53	10	5
1	E	299	LEU	CA-CB	6.22	1.62	1.53	2	2
1	C	216	TRP	CA-CB	6.22	1.63	1.53	9	15
1	C	306	LEU	CB-CG	6.22	1.65	1.53	9	3
1	A	299	LEU	CA-CB	6.22	1.63	1.53	15	2
1	B	311	LYS	C-N	6.22	1.42	1.33	3	3
1	D	297	ASN	N-CA	6.22	1.53	1.46	6	6
1	B	304	ASP	N-CA	6.22	1.53	1.46	13	11
1	E	197	HIS	CA-CB	6.22	1.62	1.53	3	5
1	B	186	LEU	C-N	6.21	1.42	1.33	10	9
1	C	200	LYS	CA-CB	6.21	1.62	1.53	10	4
1	B	310	LEU	CA-CB	6.20	1.62	1.53	4	7
1	A	183	LEU	CB-CG	6.20	1.65	1.53	1	8
1	A	236	GLU	N-CA	6.20	1.54	1.46	12	2
1	D	200	LYS	CA-CB	6.20	1.62	1.53	7	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	253	THR	N-CA	6.19	1.53	1.46	14	2
1	A	291	PHE	CA-CB	6.19	1.64	1.53	15	14
1	E	248	PHE	N-CA	6.19	1.53	1.46	3	5
1	C	311	LYS	C-N	6.18	1.42	1.33	4	10
1	D	228	LEU	N-CA	6.18	1.53	1.46	15	10
1	E	253	THR	CA-CB	6.16	1.62	1.53	2	3
1	E	313	LEU	CA-C	6.15	1.61	1.52	6	6
1	E	307	ARG	C-N	6.15	1.42	1.33	11	4
1	C	197	HIS	N-CA	6.15	1.53	1.46	11	15
1	D	183	LEU	CA-CB	6.15	1.62	1.53	4	6
1	B	183	LEU	CB-CG	6.15	1.65	1.53	3	3
1	A	292	ASP	C-N	6.15	1.41	1.33	11	8
1	C	198	ASP	CA-CB	6.15	1.62	1.53	4	1
1	C	317	LEU	CB-CG	6.15	1.65	1.53	14	7
1	E	193	LEU	CB-CG	6.14	1.65	1.53	2	8
1	D	302	GLU	N-CA	6.14	1.53	1.46	4	7
1	C	231	ARG	N-CA	6.13	1.53	1.46	2	14
1	E	262	LEU	CA-CB	6.13	1.64	1.53	1	9
1	B	234	TRP	N-CA	6.12	1.52	1.46	9	4
1	A	246	THR	C-N	6.12	1.42	1.33	10	4
1	C	307	ARG	C-N	6.12	1.42	1.33	6	11
1	E	193	LEU	CA-CB	6.12	1.63	1.53	2	7
1	E	304	ASP	CA-CB	6.11	1.62	1.53	15	2
1	D	309	GLN	CA-CB	6.10	1.62	1.53	11	5
1	A	231	ARG	N-CA	6.10	1.53	1.46	10	12
1	D	254	VAL	N-CA	6.10	1.53	1.46	5	7
1	A	195	PRO	N-CA	6.08	1.55	1.47	7	7
1	D	262	LEU	CA-CB	6.08	1.64	1.53	8	10
1	B	184	LEU	N-CA	6.07	1.53	1.46	5	13
1	D	266	GLN	N-CA	6.07	1.53	1.46	1	9
1	A	257	THR	CA-CB	6.07	1.62	1.53	6	9
1	D	257	THR	CA-CB	6.07	1.62	1.53	15	6
1	E	306	LEU	N-CA	6.07	1.53	1.46	5	5
1	D	224	VAL	CA-CB	6.07	1.61	1.54	10	1
1	B	260	TYR	CA-CB	6.06	1.62	1.53	14	10
1	C	196	LEU	CA-CB	6.04	1.62	1.53	4	1
1	D	185	GLN	CA-CB	6.04	1.62	1.53	6	1
1	A	302	GLU	N-CA	6.04	1.53	1.46	1	9
1	E	195	PRO	N-CA	6.04	1.55	1.47	1	15
1	A	315	ASP	CA-CB	6.03	1.61	1.53	2	1
1	A	310	LEU	CA-CB	6.03	1.62	1.53	2	4

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	D	260	TYR	CA-CB	6.03	1.63	1.53	14	12
1	C	190	GLU	CA-CB	6.02	1.62	1.53	14	5
1	A	186	LEU	CA-CB	6.02	1.62	1.53	13	12
1	E	264	THR	N-CA	6.02	1.53	1.46	2	2
1	B	232	LEU	CA-CB	6.01	1.62	1.53	4	3
1	A	247	TYR	CA-CB	6.01	1.62	1.53	3	7
1	C	192	LEU	CA-CB	6.01	1.62	1.53	6	6
1	D	262	LEU	CA-C	6.00	1.61	1.52	8	3
1	E	247	TYR	CA-CB	6.00	1.62	1.53	1	3
1	B	192	LEU	CA-CB	6.00	1.62	1.53	15	10
1	B	256	ALA	CA-CB	6.00	1.62	1.53	3	5
1	C	193	LEU	CB-CG	5.99	1.65	1.53	11	6
1	D	298	ARG	CA-CB	5.99	1.62	1.53	2	3
1	D	297	ASN	CA-CB	5.99	1.62	1.53	6	2
1	A	182	LEU	CB-CG	5.99	1.65	1.53	7	5
1	E	258	PHE	N-CA	5.99	1.53	1.46	11	7
1	D	307	ARG	N-CA	5.99	1.53	1.46	14	2
1	C	291	PHE	CA-CB	5.98	1.63	1.53	2	5
1	D	182	LEU	CB-CG	5.98	1.65	1.53	8	5
1	E	183	LEU	CA-CB	5.98	1.62	1.53	8	8
1	A	309	GLN	CA-CB	5.98	1.62	1.53	12	2
1	B	291	PHE	CA-CB	5.96	1.63	1.53	6	5
1	D	256	ALA	N-CA	5.96	1.53	1.46	11	7
1	B	312	ARG	C-N	5.95	1.42	1.34	2	4
1	B	302	GLU	CA-CB	5.95	1.62	1.53	4	2
1	E	182	LEU	CB-CG	5.94	1.65	1.53	5	3
1	E	243	GLU	C-N	5.94	1.42	1.34	13	2
1	B	224	VAL	CA-CB	5.93	1.61	1.54	8	12
1	E	266	GLN	N-CA	5.93	1.53	1.46	1	6
1	B	182	LEU	CB-CG	5.93	1.65	1.53	4	2
1	A	269	GLU	CA-CB	5.93	1.63	1.53	12	2
1	D	196	LEU	CA-CB	5.93	1.62	1.53	7	1
1	B	186	LEU	CB-CG	5.93	1.65	1.53	1	5
1	D	186	LEU	CA-CB	5.92	1.62	1.53	13	10
1	B	310	LEU	N-CA	5.92	1.53	1.46	4	1
1	D	250	THR	CA-CB	5.92	1.62	1.53	15	1
1	E	184	LEU	CB-CG	5.92	1.65	1.53	6	14
1	D	203	ILE	N-CA	5.92	1.54	1.46	6	3
1	A	289	GLN	CA-CB	5.91	1.63	1.53	9	2
1	D	183	LEU	CB-CG	5.91	1.65	1.53	3	6
1	E	203	ILE	N-CA	5.91	1.52	1.46	13	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	203	ILE	CB-CG1	5.91	1.65	1.53	13	3
1	C	195	PRO	N-CA	5.91	1.54	1.47	12	15
1	C	313	LEU	N-CA	5.91	1.53	1.46	3	7
1	A	298	ARG	N-CA	5.90	1.53	1.46	15	1
1	D	216	TRP	CA-CB	5.89	1.63	1.53	2	15
1	B	234	TRP	CA-CB	5.89	1.61	1.53	5	12
1	C	232	LEU	CA-CB	5.89	1.62	1.53	10	6
1	A	262	LEU	CA-CB	5.89	1.63	1.53	3	6
1	E	313	LEU	CA-CB	5.89	1.62	1.53	2	6
1	B	307	ARG	C-N	5.88	1.41	1.33	9	3
1	A	198	ASP	CA-CB	5.88	1.62	1.53	10	1
1	C	203	ILE	N-CA	5.88	1.53	1.46	8	8
1	E	269	GLU	CA-CB	5.88	1.63	1.53	8	1
1	C	310	LEU	CB-CG	5.88	1.65	1.53	13	8
1	D	258	PHE	CA-CB	5.88	1.62	1.53	10	3
1	A	197	HIS	N-CA	5.87	1.53	1.46	10	4
1	B	309	GLN	N-CA	5.87	1.53	1.46	4	1
1	C	299	LEU	CA-C	5.87	1.60	1.52	15	3
1	B	193	LEU	CB-CG	5.87	1.65	1.53	4	10
1	B	183	LEU	CA-CB	5.86	1.62	1.53	8	11
1	D	308	ASN	N-CA	5.85	1.53	1.46	11	4
1	E	203	ILE	CB-CG1	5.85	1.65	1.53	6	5
1	B	306	LEU	CB-CG	5.85	1.65	1.53	14	5
1	C	232	LEU	CA-C	5.84	1.60	1.52	11	6
1	C	298	ARG	N-CA	5.84	1.53	1.46	3	2
1	C	266	GLN	CA-CB	5.84	1.63	1.53	2	3
1	D	186	LEU	C-N	5.84	1.41	1.33	5	7
1	B	301	THR	CA-CB	5.84	1.62	1.53	3	5
1	E	186	LEU	CA-CB	5.84	1.62	1.53	5	3
1	C	257	THR	CA-CB	5.83	1.62	1.53	1	3
1	C	305	GLU	C-N	5.83	1.41	1.34	2	2
1	C	184	LEU	CA-CB	5.83	1.62	1.53	2	9
1	A	182	LEU	CA-CB	5.83	1.62	1.53	1	5
1	D	264	THR	CA-CB	5.82	1.62	1.53	5	1
1	A	264	THR	CA-CB	5.82	1.62	1.53	3	2
1	C	224	VAL	CA-CB	5.82	1.61	1.54	5	8
1	E	186	LEU	C-N	5.82	1.41	1.33	13	5
1	A	250	THR	CA-CB	5.82	1.62	1.53	15	2
1	D	261	TYR	CA-CB	5.81	1.62	1.53	1	1
1	C	250	THR	CA-CB	5.81	1.62	1.53	10	4
1	C	299	LEU	C-N	5.80	1.41	1.34	1	6

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	292	ASP	CA-C	5.80	1.60	1.52	6	3
1	C	258	PHE	CA-CB	5.80	1.62	1.53	8	5
1	E	290	ASN	CA-CB	5.80	1.63	1.53	7	1
1	D	235	TRP	CA-CB	5.80	1.63	1.53	11	5
1	B	257	THR	CA-CB	5.80	1.62	1.53	12	2
1	E	251	TYR	CA-C	5.80	1.60	1.52	15	4
1	E	293	ILE	CB-CG1	5.79	1.65	1.53	4	7
1	B	262	LEU	CA-CB	5.79	1.63	1.53	8	8
1	C	264	THR	CA-CB	5.79	1.62	1.53	3	1
1	C	194	ALA	N-CA	5.79	1.50	1.46	13	2
1	A	245	VAL	CA-CB	5.79	1.61	1.54	12	7
1	A	302	GLU	C-N	5.79	1.41	1.33	4	2
1	B	195	PRO	N-CD	5.78	1.55	1.47	1	15
1	A	228	LEU	CB-CG	5.78	1.65	1.53	10	10
1	E	192	LEU	CB-CG	5.78	1.65	1.53	3	8
1	D	293	ILE	CB-CG1	5.78	1.65	1.53	15	8
1	B	181	LYS	CA-CB	5.77	1.62	1.53	2	5
1	A	234	TRP	N-CA	5.77	1.52	1.46	8	5
1	C	264	THR	CA-C	5.77	1.60	1.52	11	2
1	A	264	THR	N-CA	5.77	1.53	1.46	11	8
1	B	203	ILE	CB-CG1	5.77	1.65	1.53	11	5
1	A	232	LEU	CA-C	5.76	1.60	1.52	3	8
1	A	311	LYS	C-N	5.76	1.41	1.33	2	6
1	B	251	TYR	N-CA	5.76	1.53	1.46	2	3
1	B	232	LEU	CA-C	5.76	1.60	1.52	4	3
1	D	251	TYR	N-CA	5.76	1.53	1.46	6	4
1	A	184	LEU	N-CA	5.75	1.53	1.46	6	2
1	D	298	ARG	N-CA	5.75	1.53	1.46	5	4
1	C	245	VAL	N-CA	5.75	1.53	1.46	10	2
1	B	258	PHE	N-CA	5.75	1.53	1.46	2	7
1	B	314	ARG	N-CA	5.75	1.53	1.46	9	4
1	C	298	ARG	CA-CB	5.75	1.62	1.53	4	3
1	D	307	ARG	C-N	5.74	1.41	1.33	3	4
1	E	266	GLN	CA-CB	5.74	1.63	1.53	11	1
1	E	182	LEU	CA-CB	5.74	1.62	1.53	2	2
1	B	195	PRO	N-CA	5.74	1.54	1.47	14	15
1	E	251	TYR	CA-CB	5.74	1.62	1.53	7	9
1	A	183	LEU	CA-CB	5.73	1.62	1.53	6	8
1	E	298	ARG	N-CA	5.73	1.53	1.46	3	4
1	E	256	ALA	N-CA	5.73	1.53	1.46	7	3
1	C	235	TRP	CA-CB	5.73	1.63	1.53	15	9

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	203	ILE	CA-C	5.72	1.60	1.52	4	11
1	B	311	LYS	CA-CB	5.72	1.62	1.53	3	4
1	C	202	LYS	N-CA	5.72	1.53	1.46	6	3
1	A	300	VAL	N-CA	5.72	1.53	1.46	1	3
1	E	303	VAL	N-CA	5.72	1.53	1.46	9	3
1	D	192	LEU	N-CA	5.72	1.53	1.46	9	6
1	B	294	GLU	CA-CB	5.71	1.62	1.53	13	5
1	C	294	GLU	N-CA	5.71	1.53	1.46	15	1
1	C	228	LEU	N-CA	5.70	1.53	1.46	4	10
1	D	299	LEU	CB-CG	5.70	1.64	1.53	10	3
1	B	317	LEU	N-CA	5.70	1.53	1.46	9	8
1	E	262	LEU	CB-CG	5.70	1.64	1.53	14	3
1	B	182	LEU	CA-CB	5.70	1.62	1.53	3	2
1	D	250	THR	N-CA	5.70	1.53	1.46	14	4
1	E	247	TYR	N-CA	5.70	1.53	1.46	13	3
1	B	264	THR	CA-CB	5.70	1.62	1.53	14	1
1	A	290	ASN	N-CA	5.69	1.52	1.46	10	1
1	E	290	ASN	N-CA	5.69	1.53	1.46	15	2
1	C	293	ILE	CA-C	5.69	1.59	1.52	6	4
1	B	307	ARG	N-CA	5.69	1.53	1.46	7	4
1	B	292	ASP	C-N	5.68	1.41	1.33	9	9
1	C	256	ALA	CA-CB	5.68	1.62	1.53	10	7
1	C	233	THR	N-CA	5.67	1.53	1.46	14	1
1	D	316	PRO	CA-CB	5.67	1.61	1.53	2	1
1	C	315	ASP	C-N	5.66	1.40	1.33	1	1
1	D	304	ASP	CA-CB	5.66	1.62	1.53	1	4
1	A	293	ILE	CB-CG1	5.66	1.64	1.53	6	3
1	E	311	LYS	C-N	5.66	1.41	1.33	15	4
1	A	196	LEU	CB-CG	5.66	1.64	1.53	6	4
1	D	262	LEU	C-N	5.66	1.40	1.33	7	3
1	A	192	LEU	N-CA	5.66	1.53	1.46	14	4
1	A	301	THR	CA-CB	5.66	1.62	1.53	11	1
1	D	305	GLU	CA-CB	5.66	1.62	1.53	12	1
1	B	304	ASP	CA-CB	5.65	1.62	1.53	12	5
1	D	306	LEU	CA-CB	5.65	1.62	1.53	3	2
1	D	234	TRP	CA-CB	5.65	1.60	1.53	4	8
1	E	314	ARG	CA-CB	5.65	1.62	1.53	1	5
1	E	178	ARG	CA-CB	5.65	1.59	1.52	3	1
1	B	300	VAL	CA-CB	5.64	1.63	1.54	8	6
1	C	228	LEU	CB-CG	5.64	1.64	1.53	7	2
1	A	258	PHE	CA-CB	5.64	1.62	1.53	6	8

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	317	LEU	CB-CG	5.64	1.64	1.53	3	4
1	A	295	LYS	CA-CB	5.64	1.62	1.53	12	4
1	D	231	ARG	N-CA	5.64	1.53	1.46	12	6
1	D	301	THR	CA-CB	5.64	1.62	1.53	14	2
1	E	181	LYS	CA-CB	5.64	1.62	1.53	15	5
1	E	308	ASN	N-CA	5.63	1.53	1.46	6	4
1	A	180	LYS	N-CA	5.63	1.53	1.46	6	1
1	A	266	GLN	N-CA	5.63	1.53	1.46	3	1
1	D	291	PHE	CA-C	5.63	1.60	1.52	12	1
1	B	186	LEU	CA-CB	5.63	1.62	1.53	12	6
1	E	245	VAL	CA-CB	5.63	1.61	1.54	8	10
1	B	245	VAL	CA-CB	5.62	1.61	1.54	12	13
1	E	234	TRP	CA-CB	5.62	1.61	1.53	2	10
1	B	297	ASN	N-CA	5.62	1.53	1.46	10	8
1	A	185	GLN	N-CA	5.62	1.53	1.46	4	2
1	E	314	ARG	N-CA	5.61	1.53	1.46	2	3
1	D	180	LYS	CA-CB	5.61	1.62	1.53	14	2
1	B	305	GLU	N-CA	5.60	1.53	1.46	4	1
1	C	183	LEU	CA-CB	5.60	1.62	1.53	11	10
1	E	195	PRO	N-CD	5.60	1.55	1.47	3	8
1	E	316	PRO	CA-CB	5.59	1.61	1.53	6	1
1	D	305	GLU	C-N	5.59	1.41	1.33	3	1
1	A	297	ASN	CA-CB	5.59	1.62	1.53	11	5
1	D	235	TRP	CA-C	5.59	1.60	1.52	11	2
1	C	317	LEU	CA-CB	5.59	1.62	1.53	9	8
1	A	196	LEU	CA-CB	5.58	1.62	1.53	2	3
1	D	230	ALA	C-N	5.58	1.41	1.33	13	7
1	D	312	ARG	C-N	5.58	1.41	1.33	5	2
1	B	263	TYR	CA-CB	5.58	1.62	1.53	1	2
1	B	293	ILE	CB-CG1	5.58	1.64	1.53	13	3
1	B	295	LYS	CA-CB	5.58	1.62	1.53	11	6
1	B	231	ARG	N-CA	5.57	1.53	1.46	2	1
1	D	256	ALA	CA-CB	5.57	1.61	1.53	14	5
1	C	307	ARG	N-CA	5.57	1.53	1.46	15	8
1	C	239	TRP	CA-CB	5.57	1.62	1.53	14	3
1	C	239	TRP	N-CA	5.57	1.53	1.46	3	1
1	E	258	PHE	CA-CB	5.56	1.61	1.53	12	8
1	D	306	LEU	CB-CG	5.56	1.64	1.53	15	4
1	A	203	ILE	N-CA	5.55	1.52	1.46	3	3
1	B	313	LEU	CA-C	5.55	1.60	1.52	9	4
1	C	313	LEU	CA-CB	5.55	1.62	1.53	11	6

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	308	ASN	N-CA	5.55	1.52	1.46	9	1
1	C	251	TYR	CA-C	5.55	1.59	1.52	2	1
1	B	241	ILE	N-CA	5.55	1.53	1.46	3	1
1	A	203	ILE	C-N	5.55	1.41	1.34	12	1
1	C	305	GLU	CA-CB	5.54	1.62	1.53	15	2
1	C	233	THR	CA-CB	5.54	1.61	1.53	14	1
1	E	257	THR	C-N	5.54	1.41	1.33	8	2
1	C	182	LEU	CA-CB	5.54	1.61	1.53	5	5
1	A	307	ARG	CB-CG	5.53	1.69	1.52	2	6
1	D	317	LEU	CB-CG	5.53	1.64	1.53	11	3
1	B	312	ARG	CA-C	5.53	1.59	1.52	12	1
1	A	304	ASP	CA-CB	5.53	1.62	1.53	4	2
1	B	184	LEU	CB-CG	5.53	1.64	1.53	6	12
1	D	181	LYS	CA-CB	5.53	1.61	1.53	9	7
1	D	203	ILE	CB-CG1	5.53	1.64	1.53	6	4
1	A	314	ARG	N-CA	5.53	1.53	1.46	14	2
1	D	266	GLN	CA-CB	5.53	1.62	1.53	14	2
1	B	197	HIS	CA-C	5.53	1.59	1.52	1	1
1	D	310	LEU	CA-CB	5.53	1.62	1.53	13	4
1	C	194	ALA	CA-CB	5.52	1.60	1.53	11	9
1	B	236	GLU	N-CA	5.52	1.53	1.46	1	1
1	E	232	LEU	CA-CB	5.52	1.61	1.53	3	11
1	D	197	HIS	CA-C	5.52	1.59	1.52	3	1
1	E	305	GLU	C-N	5.51	1.41	1.34	5	1
1	D	252	SER	CA-C	5.51	1.59	1.52	4	2
1	E	314	ARG	NE-CZ	5.51	1.39	1.33	1	2
1	A	206	GLU	CA-CB	5.51	1.62	1.53	14	2
1	A	186	LEU	C-N	5.51	1.41	1.33	8	5
1	D	310	LEU	N-CA	5.51	1.53	1.46	9	6
1	B	299	LEU	C-N	5.50	1.40	1.34	11	6
1	B	192	LEU	CB-CG	5.50	1.64	1.53	9	10
1	A	179	GLU	CA-CB	5.50	1.62	1.53	6	2
1	E	313	LEU	N-CA	5.50	1.53	1.46	2	2
1	D	262	LEU	CB-CG	5.50	1.64	1.53	4	1
1	D	196	LEU	CB-CG	5.50	1.64	1.53	10	3
1	B	306	LEU	N-CA	5.49	1.52	1.46	3	3
1	B	310	LEU	CB-CG	5.49	1.64	1.53	1	2
1	D	205	GLN	CA-CB	5.49	1.62	1.53	4	1
1	E	233	THR	C-N	5.49	1.39	1.33	2	1
1	D	300	VAL	N-CA	5.49	1.53	1.46	11	1
1	E	250	THR	N-CA	5.49	1.52	1.46	9	4

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	214	VAL	CA-CB	5.48	1.61	1.54	6	11
1	C	250	THR	N-CA	5.48	1.52	1.46	2	5
1	A	243	GLU	C-N	5.48	1.41	1.34	12	2
1	A	197	HIS	CA-C	5.48	1.59	1.52	3	3
1	B	243	GLU	C-N	5.48	1.41	1.34	12	1
1	C	193	LEU	N-CA	5.48	1.53	1.46	8	1
1	E	302	GLU	CA-CB	5.47	1.61	1.53	14	4
1	A	184	LEU	C-N	5.47	1.41	1.33	4	2
1	A	308	ASN	N-CA	5.47	1.53	1.46	5	10
1	C	304	ASP	N-CA	5.47	1.53	1.46	15	2
1	E	313	LEU	CB-CG	5.47	1.64	1.53	13	3
1	B	250	THR	CA-CB	5.47	1.61	1.53	8	4
1	D	293	ILE	CA-C	5.47	1.59	1.52	9	3
1	D	202	LYS	CA-CB	5.46	1.61	1.53	8	2
1	D	245	VAL	CA-CB	5.46	1.61	1.54	7	9
1	C	256	ALA	N-CA	5.46	1.52	1.46	14	3
1	E	190	GLU	CA-CB	5.46	1.61	1.53	2	3
1	D	263	TYR	CA-CB	5.46	1.62	1.53	3	1
1	C	205	GLN	CA-CB	5.45	1.62	1.53	3	2
1	E	187	GLU	N-CA	5.45	1.52	1.46	13	1
1	D	192	LEU	CB-CG	5.45	1.64	1.53	2	4
1	E	256	ALA	CA-CB	5.45	1.61	1.53	10	2
1	D	307	ARG	CB-CG	5.45	1.68	1.52	1	3
1	B	299	LEU	N-CA	5.45	1.52	1.46	10	3
1	A	234	TRP	CA-CB	5.44	1.60	1.53	2	4
1	E	317	LEU	CB-CG	5.44	1.64	1.53	6	2
1	D	193	LEU	CB-CG	5.44	1.64	1.53	2	1
1	D	292	ASP	CA-C	5.44	1.60	1.52	14	2
1	E	200	LYS	CA-CB	5.44	1.61	1.53	5	2
1	C	309	GLN	N-CA	5.44	1.52	1.46	5	1
1	B	258	PHE	CA-CB	5.44	1.61	1.53	9	2
1	A	293	ILE	CA-C	5.43	1.59	1.52	8	2
1	B	298	ARG	CA-C	5.43	1.60	1.52	10	4
1	E	257	THR	CA-CB	5.43	1.61	1.53	10	3
1	E	228	LEU	CB-CG	5.42	1.64	1.53	13	3
1	B	253	THR	N-CA	5.42	1.52	1.46	10	6
1	D	251	TYR	CA-CB	5.42	1.61	1.53	6	2
1	C	195	PRO	N-CD	5.42	1.55	1.47	5	11
1	B	239	TRP	N-CA	5.42	1.53	1.46	5	1
1	B	266	GLN	N-CA	5.42	1.53	1.46	10	4
1	A	200	LYS	N-CA	5.42	1.52	1.46	10	4

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	294	GLU	N-CA	5.42	1.52	1.46	4	3
1	A	186	LEU	CB-CG	5.42	1.64	1.53	2	7
1	D	184	LEU	CB-CG	5.42	1.64	1.53	15	5
1	A	181	LYS	N-CA	5.41	1.52	1.46	1	1
1	A	299	LEU	CA-C	5.41	1.59	1.52	13	1
1	B	245	VAL	C-N	5.41	1.41	1.33	5	2
1	D	178	ARG	CA-CB	5.41	1.59	1.53	7	2
1	D	232	LEU	CA-CB	5.41	1.61	1.53	1	2
1	D	249	ALA	CA-C	5.40	1.59	1.52	14	1
1	D	299	LEU	CA-CB	5.40	1.61	1.53	1	3
1	E	261	TYR	C-N	5.40	1.41	1.33	9	1
1	D	188	ASN	CA-CB	5.40	1.61	1.53	6	1
1	B	247	TYR	N-CA	5.39	1.52	1.46	11	1
1	E	225	GLN	N-CA	5.39	1.53	1.46	13	1
1	A	314	ARG	CA-CB	5.39	1.61	1.53	14	2
1	C	309	GLN	CA-C	5.39	1.59	1.52	9	1
1	E	264	THR	CA-C	5.38	1.59	1.52	4	2
1	C	302	GLU	CA-CB	5.38	1.62	1.53	12	2
1	A	307	ARG	C-N	5.38	1.41	1.33	7	4
1	E	214	VAL	CA-CB	5.38	1.61	1.54	6	8
1	B	194	ALA	CA-CB	5.38	1.60	1.53	12	3
1	C	297	ASN	N-CA	5.38	1.52	1.46	5	3
1	A	270	TYR	N-CA	5.37	1.51	1.46	10	6
1	D	197	HIS	N-CA	5.37	1.52	1.46	7	6
1	D	264	THR	CA-C	5.37	1.59	1.52	2	2
1	D	258	PHE	CA-C	5.37	1.59	1.52	12	1
1	C	247	TYR	N-CA	5.37	1.52	1.46	1	1
1	D	206	GLU	N-CA	5.37	1.53	1.46	14	1
1	A	250	THR	N-CA	5.36	1.52	1.46	10	5
1	C	248	PHE	CB-CG	5.36	1.62	1.50	10	3
1	A	264	THR	CA-C	5.36	1.59	1.52	10	3
1	C	182	LEU	CB-CG	5.36	1.64	1.53	13	5
1	B	299	LEU	CA-CB	5.36	1.61	1.53	10	1
1	B	181	LYS	N-CA	5.35	1.52	1.46	2	1
1	B	242	VAL	CA-C	5.35	1.59	1.52	14	1
1	E	231	ARG	N-CA	5.35	1.52	1.46	12	8
1	A	253	THR	C-N	5.35	1.40	1.33	8	1
1	B	262	LEU	CA-C	5.35	1.60	1.52	6	1
1	D	313	LEU	CA-CB	5.34	1.62	1.53	6	2
1	E	307	ARG	CB-CG	5.34	1.68	1.52	2	1
1	B	256	ALA	N-CA	5.34	1.52	1.46	6	3

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	E	224	VAL	N-CA	5.34	1.53	1.46	15	2
1	B	236	GLU	CA-CB	5.34	1.62	1.53	1	2
1	E	253	THR	N-CA	5.34	1.52	1.46	11	1
1	A	233	THR	N-CA	5.33	1.52	1.46	14	1
1	B	184	LEU	CA-CB	5.33	1.61	1.53	13	4
1	A	312	ARG	CA-C	5.33	1.59	1.52	14	1
1	B	190	GLU	N-CA	5.32	1.52	1.46	3	1
1	E	184	LEU	CA-CB	5.32	1.61	1.53	3	6
1	A	253	THR	N-CA	5.32	1.52	1.46	10	2
1	E	180	LYS	CA-CB	5.31	1.61	1.53	12	1
1	B	261	TYR	CA-CB	5.31	1.61	1.53	7	1
1	A	185	GLN	CA-CB	5.31	1.61	1.53	12	4
1	A	225	GLN	N-CA	5.30	1.52	1.46	8	3
1	E	262	LEU	C-N	5.30	1.40	1.33	2	2
1	D	268	PHE	N-CA	5.30	1.53	1.46	8	1
1	C	307	ARG	CB-CG	5.30	1.68	1.52	14	2
1	C	298	ARG	CA-C	5.30	1.59	1.52	6	1
1	C	266	GLN	N-CA	5.30	1.53	1.46	10	3
1	A	289	GLN	C-N	5.30	1.40	1.33	10	1
1	A	204	GLU	CA-CB	5.29	1.60	1.54	12	1
1	C	251	TYR	CA-CB	5.29	1.61	1.53	9	2
1	C	192	LEU	CB-CG	5.29	1.64	1.53	3	7
1	A	184	LEU	CA-CB	5.29	1.61	1.53	13	2
1	A	192	LEU	CB-CG	5.29	1.64	1.53	5	2
1	B	193	LEU	CA-CB	5.29	1.62	1.53	12	2
1	D	299	LEU	N-CA	5.28	1.52	1.46	15	2
1	C	257	THR	C-N	5.28	1.40	1.33	11	1
1	C	299	LEU	CB-CG	5.28	1.64	1.53	6	1
1	C	299	LEU	CA-CB	5.28	1.61	1.53	1	2
1	D	255	ALA	CA-C	5.28	1.59	1.52	11	1
1	C	204	GLU	N-CA	5.28	1.52	1.46	6	3
1	D	309	GLN	N-CA	5.27	1.52	1.46	13	2
1	D	239	TRP	CA-CB	5.27	1.62	1.53	9	1
1	A	207	ALA	N-CA	5.27	1.52	1.46	12	1
1	D	190	GLU	N-CA	5.27	1.52	1.46	5	3
1	B	187	GLU	CA-CB	5.27	1.61	1.53	7	1
1	C	308	ASN	N-CA	5.27	1.52	1.46	6	2
1	A	190	GLU	N-CA	5.26	1.52	1.46	9	1
1	C	186	LEU	C-N	5.25	1.40	1.33	13	3
1	E	194	ALA	CA-CB	5.25	1.60	1.53	9	5
1	A	247	TYR	N-CA	5.25	1.52	1.46	5	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	250	THR	N-CA	5.25	1.52	1.46	4	5
1	C	302	GLU	C-N	5.24	1.40	1.33	14	6
1	A	239	TRP	CA-CB	5.24	1.62	1.53	12	2
1	A	296	TYR	CA-CB	5.23	1.61	1.53	1	2
1	B	190	GLU	CA-CB	5.23	1.61	1.53	11	2
1	A	190	GLU	CA-CB	5.22	1.61	1.53	14	2
1	B	293	ILE	CA-C	5.22	1.59	1.52	13	1
1	C	179	GLU	CA-CB	5.21	1.62	1.53	6	2
1	B	292	ASP	N-CA	5.21	1.52	1.46	8	3
1	E	241	ILE	C-N	5.21	1.40	1.33	5	3
1	E	311	LYS	N-CA	5.21	1.52	1.46	12	1
1	B	298	ARG	N-CA	5.20	1.52	1.46	7	1
1	C	244	PRO	CA-C	5.20	1.59	1.52	11	2
1	D	248	PHE	CB-CG	5.20	1.62	1.50	7	2
1	A	290	ASN	CA-CB	5.20	1.62	1.53	1	1
1	B	197	HIS	N-CA	5.20	1.52	1.46	5	5
1	A	266	GLN	CA-CB	5.20	1.62	1.53	3	1
1	C	314	ARG	CA-CB	5.20	1.61	1.53	5	1
1	C	263	TYR	CA-CB	5.19	1.61	1.53	14	3
1	E	177	SER	N-CA	5.19	1.51	1.46	15	1
1	C	291	PHE	C-N	5.19	1.41	1.33	7	1
1	B	248	PHE	N-CA	5.19	1.52	1.46	9	2
1	C	296	TYR	CA-CB	5.19	1.61	1.53	9	1
1	A	304	ASP	CA-C	5.19	1.59	1.52	12	1
1	E	248	PHE	CA-CB	5.19	1.61	1.53	14	1
1	B	253	THR	CA-CB	5.18	1.61	1.53	9	1
1	C	196	LEU	CB-CG	5.18	1.63	1.53	8	1
1	E	186	LEU	CB-CG	5.18	1.63	1.53	1	2
1	C	192	LEU	N-CA	5.17	1.52	1.46	12	1
1	D	299	LEU	C-N	5.17	1.40	1.34	7	4
1	A	263	TYR	CA-CB	5.17	1.61	1.53	2	2
1	D	225	GLN	N-CA	5.16	1.52	1.46	14	3
1	E	230	ALA	C-N	5.16	1.40	1.33	7	3
1	C	213	ARG	N-CA	5.15	1.52	1.46	8	1
1	A	308	ASN	CA-C	5.15	1.59	1.52	10	1
1	A	203	ILE	CA-C	5.15	1.59	1.52	12	1
1	B	242	VAL	CA-CB	5.15	1.61	1.54	3	1
1	E	192	LEU	N-CA	5.15	1.52	1.46	4	3
1	E	260	TYR	CA-C	5.15	1.59	1.52	7	1
1	B	307	ARG	CB-CG	5.14	1.67	1.52	4	7
1	A	261	TYR	CA-CB	5.14	1.61	1.53	3	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	E	312	ARG	N-CA	5.14	1.52	1.46	15	3
1	B	201	ARG	N-CA	5.14	1.52	1.46	1	1
1	A	201	ARG	N-CA	5.13	1.52	1.46	3	1
1	A	316	PRO	CA-CB	5.13	1.61	1.53	5	2
1	D	255	ALA	C-N	5.13	1.40	1.33	11	1
1	C	248	PHE	CA-C	5.13	1.59	1.52	14	1
1	C	310	LEU	N-CA	5.13	1.52	1.46	11	1
1	A	298	ARG	C-N	5.12	1.40	1.33	15	1
1	D	241	ILE	C-N	5.12	1.40	1.33	1	1
1	D	183	LEU	N-CA	5.12	1.52	1.46	4	1
1	C	312	ARG	C-N	5.12	1.40	1.34	5	1
1	A	292	ASP	CA-C	5.11	1.59	1.52	2	1
1	D	216	TRP	N-CA	5.11	1.52	1.46	6	2
1	C	297	ASN	CA-CB	5.11	1.61	1.53	4	1
1	D	181	LYS	N-CA	5.11	1.52	1.46	2	2
1	C	301	THR	CA-CB	5.11	1.61	1.53	1	1
1	E	202	LYS	CA-CB	5.11	1.61	1.53	7	2
1	D	184	LEU	CA-C	5.11	1.59	1.52	15	1
1	A	256	ALA	N-CA	5.11	1.52	1.46	12	1
1	D	190	GLU	CA-CB	5.10	1.61	1.53	3	4
1	E	228	LEU	N-CA	5.10	1.52	1.46	14	1
1	C	249	ALA	CA-C	5.10	1.59	1.52	8	1
1	B	317	LEU	CB-CG	5.10	1.63	1.53	10	1
1	A	232	LEU	CB-CG	5.10	1.63	1.53	3	2
1	E	310	LEU	CA-CB	5.09	1.61	1.53	2	1
1	B	311	LYS	CA-C	5.09	1.59	1.52	3	1
1	D	232	LEU	CA-C	5.09	1.59	1.52	10	2
1	D	251	TYR	CA-C	5.09	1.59	1.52	6	1
1	B	237	TYR	CA-CB	5.09	1.61	1.53	13	2
1	C	186	LEU	CB-CG	5.09	1.63	1.53	8	2
1	C	314	ARG	N-CA	5.08	1.52	1.46	5	1
1	B	290	ASN	CA-CB	5.08	1.60	1.53	15	1
1	B	292	ASP	CA-C	5.08	1.59	1.52	2	1
1	B	202	LYS	N-CA	5.08	1.52	1.46	13	2
1	E	262	LEU	N-CA	5.08	1.52	1.46	9	1
1	D	243	GLU	N-CA	5.07	1.53	1.46	6	1
1	D	195	PRO	N-CD	5.07	1.54	1.47	15	1
1	B	232	LEU	CB-CG	5.06	1.63	1.53	7	1
1	B	225	GLN	N-CA	5.06	1.52	1.46	7	3
1	D	232	LEU	CB-CG	5.06	1.63	1.53	8	2
1	E	196	LEU	CB-CG	5.05	1.63	1.53	15	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	297	ASN	CA-CB	5.05	1.61	1.53	4	1
1	B	314	ARG	CA-CB	5.05	1.61	1.53	6	1
1	E	236	GLU	N-CA	5.05	1.52	1.46	12	1
1	D	186	LEU	CB-CG	5.05	1.63	1.53	4	3
1	E	301	THR	CA-CB	5.05	1.61	1.53	15	1
1	E	302	GLU	C-N	5.05	1.40	1.33	7	1
1	E	297	ASN	N-CA	5.04	1.52	1.46	13	1
1	A	198	ASP	N-CA	5.04	1.52	1.46	6	1
1	D	265	GLN	CA-C	5.04	1.59	1.52	1	1
1	E	249	ALA	CA-C	5.04	1.59	1.52	9	1
1	D	235	TRP	C-N	5.04	1.40	1.33	11	1
1	B	245	VAL	N-CA	5.04	1.52	1.46	13	1
1	C	253	THR	CA-CB	5.04	1.61	1.53	10	1
1	C	243	GLU	C-N	5.03	1.40	1.34	7	1
1	D	248	PHE	N-CA	5.03	1.52	1.46	8	1
1	E	232	LEU	CB-CG	5.03	1.63	1.53	14	1
1	C	201	ARG	N-CA	5.03	1.52	1.46	10	1
1	D	258	PHE	CB-CG	5.03	1.62	1.50	2	1
1	E	312	ARG	CA-C	5.03	1.59	1.52	2	1
1	D	248	PHE	CA-CB	5.03	1.61	1.53	8	1
1	D	291	PHE	C-N	5.02	1.40	1.33	12	1
1	E	196	LEU	CA-CB	5.02	1.61	1.53	2	1
1	B	313	LEU	CB-CG	5.02	1.63	1.53	2	1
1	A	251	TYR	CA-C	5.02	1.59	1.52	8	1
1	E	235	TRP	C-N	5.01	1.40	1.33	2	1
1	C	234	TRP	CA-CB	5.01	1.61	1.53	2	1
1	C	310	LEU	CA-C	5.00	1.59	1.52	7	1

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	B	195	PRO	N-CA-CB	-7.73	95.14	103.25	1	15
1	E	299	LEU	N-CA-CB	7.66	121.50	110.16	14	6
1	D	180	LYS	N-CA-C	7.65	119.62	111.28	2	3
1	A	245	VAL	N-CA-C	7.29	118.06	110.62	9	3
1	C	303	VAL	N-CA-CB	7.17	119.44	110.47	1	6
1	A	254	VAL	N-CA-CB	7.03	120.11	110.54	2	7
1	E	254	VAL	N-CA-CB	7.02	120.09	110.54	4	7
1	B	245	VAL	N-CA-C	6.98	117.74	110.62	5	6
1	B	233	THR	N-CA-C	6.97	118.88	111.28	13	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	E	299	LEU	CB-CA-C	6.92	121.75	110.88	2	1
1	B	263	TYR	N-CA-CB	-6.69	99.19	110.49	11	1
1	A	299	LEU	N-CA-CB	6.59	119.81	110.12	15	1
1	D	248	PHE	CA-CB-CG	-6.47	107.33	113.80	11	1
1	A	297	ASN	CA-CB-CG	6.44	119.04	112.60	11	2
1	B	242	VAL	N-CA-C	6.42	116.57	110.53	14	1
1	E	247	TYR	N-CA-CB	6.32	119.40	110.12	12	6
1	D	297	ASN	CA-CB-CG	6.25	118.85	112.60	2	1
1	A	303	VAL	N-CA-CB	6.17	118.93	110.54	4	1
1	A	247	TYR	N-CA-CB	6.05	119.02	110.12	10	1
1	B	301	THR	N-CA-CB	6.00	119.46	110.22	13	3
1	C	306	LEU	N-CA-CB	6.00	119.45	110.22	7	3
1	C	248	PHE	CA-CB-CG	-5.97	107.83	113.80	5	1
1	E	248	PHE	CA-CB-CG	-5.89	107.91	113.80	6	4
1	B	194	ALA	N-CA-C	-5.85	104.21	112.17	12	3
1	B	254	VAL	N-CA-CB	5.84	118.48	110.54	4	3
1	B	248	PHE	CA-CB-CG	-5.83	107.97	113.80	11	1
1	C	231	ARG	N-CA-CB	5.82	118.67	110.12	2	4
1	A	202	LYS	N-CA-C	5.80	117.60	111.28	12	1
1	D	299	LEU	CB-CA-C	5.77	120.37	110.79	11	1
1	E	245	VAL	N-CA-C	5.76	116.50	110.62	7	3
1	B	293	ILE	N-CA-C	-5.72	105.15	110.53	4	2
1	B	193	LEU	CA-C-N	5.71	126.17	119.83	13	2
1	B	193	LEU	C-N-CA	5.71	126.17	119.83	13	2
1	C	254	VAL	N-CA-CB	5.71	118.30	110.54	9	3
1	B	263	TYR	N-CA-C	5.70	117.18	110.97	9	2
1	A	299	LEU	CB-CA-C	5.70	120.25	110.79	13	2
1	C	194	ALA	N-CA-C	-5.66	104.47	112.17	7	5
1	E	194	ALA	N-CA-C	-5.66	104.90	112.55	9	4
1	A	306	LEU	N-CA-CB	5.64	118.35	109.94	8	6
1	E	306	LEU	N-CA-CB	5.59	118.83	110.22	5	1
1	D	247	TYR	N-CA-CB	5.59	118.34	110.12	6	1
1	C	291	PHE	N-CA-C	-5.59	107.70	114.75	7	1
1	D	194	ALA	N-CA-C	-5.59	104.57	112.17	15	1
1	D	262	LEU	N-CA-C	5.57	119.34	112.54	6	4
1	D	297	ASN	N-CA-CB	-5.54	101.97	110.01	2	1
1	E	315	ASP	CA-C-N	5.54	126.76	119.84	15	8
1	E	315	ASP	C-N-CA	5.54	126.76	119.84	15	8
1	A	313	LEU	N-CA-CB	5.53	118.73	110.22	14	1
1	C	195	PRO	N-CA-CB	-5.53	97.45	103.25	1	6
1	A	231	ARG	N-CA-CB	5.53	118.24	110.12	5	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	C	247	TYR	N-CA-CB	5.51	118.22	110.12	1	1
1	B	247	TYR	N-CA-CB	5.50	118.21	110.12	11	1
1	C	269	GLU	N-CA-C	5.48	116.94	111.07	6	3
1	A	306	LEU	CB-CA-C	-5.43	102.12	110.81	8	1
1	A	263	TYR	N-CA-C	5.41	117.04	111.03	13	1
1	B	315	ASP	N-CA-C	5.38	120.07	112.75	14	1
1	E	195	PRO	N-CA-CB	-5.38	97.60	103.25	8	4
1	B	310	LEU	N-CA-CB	-5.36	101.95	109.94	3	1
1	E	260	TYR	CA-C-N	5.36	127.73	120.65	14	1
1	E	260	TYR	C-N-CA	5.36	127.73	120.65	14	1
1	E	246	THR	N-CA-C	5.29	117.04	111.28	13	1
1	D	304	ASP	CA-CB-CG	5.24	117.84	112.60	8	1
1	C	193	LEU	CA-C-N	5.24	126.27	119.78	1	1
1	C	193	LEU	C-N-CA	5.24	126.27	119.78	1	1
1	C	234	TRP	CB-CG-CD2	5.22	134.11	126.80	3	8
1	B	309	GLN	CA-C-N	5.21	127.58	120.54	3	1
1	B	309	GLN	C-N-CA	5.21	127.58	120.54	3	1
1	A	206	GLU	N-CA-C	5.21	121.89	110.80	12	1
1	C	299	LEU	CB-CA-C	5.16	118.98	110.88	15	1
1	D	181	LYS	N-CA-C	5.12	116.55	111.07	7	1
1	D	244	PRO	N-CA-C	5.12	120.64	113.53	1	1
1	B	299	LEU	CB-CA-C	5.05	118.81	110.88	14	1
1	E	239	TRP	N-CA-CB	5.04	119.01	110.49	7	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	D	247	TYR	Sidechain	2
1	C	307	ARG	Sidechain	2
1	D	261	TYR	Sidechain	1
1	E	307	ARG	Sidechain	1
1	C	261	TYR	Sidechain	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1025	989	987	7±2
1	B	1027	994	992	6±2
1	C	988	959	957	5±2
1	D	991	966	964	6±2
1	E	1014	983	981	6±2
All	All	75675	73365	73215	380

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:299:LEU:HD12	1:B:300:VAL:N	0.78	1.93	6	1
1:D:262:LEU:H	1:D:262:LEU:HD23	0.73	1.44	13	4
1:B:262:LEU:HD23	1:B:262:LEU:H	0.72	1.43	12	1
1:B:317:LEU:H	1:B:317:LEU:HD13	0.70	1.46	10	1
1:A:262:LEU:H	1:A:262:LEU:HD23	0.69	1.48	15	2
1:E:299:LEU:H	1:E:299:LEU:HD22	0.69	1.47	14	3
1:D:299:LEU:HD23	1:E:300:VAL:HG13	0.68	1.63	5	2
1:B:310:LEU:HD13	1:B:311:LYS:N	0.67	2.05	8	1
1:E:262:LEU:H	1:E:262:LEU:HD23	0.66	1.51	3	1
1:A:250:THR:O	1:A:253:THR:HG22	0.65	1.92	13	2
1:B:250:THR:O	1:B:253:THR:HG22	0.64	1.93	10	3
1:C:300:VAL:O	1:C:303:VAL:HG22	0.63	1.94	12	12
1:E:257:THR:O	1:E:260:TYR:CE1	0.63	2.52	1	2
1:E:306:LEU:HD13	1:E:307:ARG:N	0.61	2.10	1	2
1:A:262:LEU:H	1:A:262:LEU:HD13	0.61	1.55	6	7
1:A:254:VAL:HG21	1:E:253:THR:OG1	0.61	1.96	11	3
1:D:203:ILE:O	1:D:205:GLN:N	0.60	2.34	8	7
1:A:310:LEU:HD13	1:A:311:LYS:N	0.60	2.12	10	1
1:E:317:LEU:HD23	1:E:317:LEU:O	0.60	1.97	12	12
1:D:182:LEU:H	1:D:182:LEU:HD13	0.59	1.57	10	2
1:A:262:LEU:H	1:A:262:LEU:HD12	0.59	1.57	12	1
1:C:299:LEU:HD23	1:C:300:VAL:N	0.59	2.12	1	1
1:A:194:ALA:H	1:A:195:PRO:CD	0.58	2.11	3	11
1:D:253:THR:OG1	1:E:254:VAL:HG21	0.58	1.98	10	2
1:D:251:TYR:O	1:D:254:VAL:HG22	0.58	1.98	14	3
1:A:251:TYR:O	1:A:254:VAL:HG22	0.58	1.99	7	11
1:A:247:TYR:CD1	1:E:246:THR:HG21	0.57	2.34	6	2
1:D:300:VAL:O	1:D:303:VAL:HG22	0.57	1.99	9	11
1:E:262:LEU:H	1:E:262:LEU:HD12	0.57	1.59	12	2
1:D:257:THR:O	1:D:260:TYR:CE1	0.57	2.58	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:299:LEU:HD12	1:B:300:VAL:H	0.57	1.60	6	1
1:A:300:VAL:O	1:A:303:VAL:HG22	0.56	2.00	6	5
1:E:251:TYR:O	1:E:254:VAL:HG22	0.56	2.00	6	8
1:E:265:GLN:NE2	1:E:265:GLN:H	0.56	1.99	14	1
1:D:224:VAL:HG11	1:D:248:PHE:CD1	0.55	2.36	6	1
1:E:300:VAL:O	1:E:303:VAL:HG22	0.55	2.02	7	1
1:E:311:LYS:HZ2	1:E:314:ARG:HH22	0.55	1.44	15	1
1:D:250:THR:O	1:D:253:THR:HG22	0.55	2.02	1	3
1:D:262:LEU:H	1:D:262:LEU:HD13	0.54	1.61	15	3
1:A:203:ILE:O	1:A:205:GLN:N	0.54	2.40	4	3
1:D:246:THR:HG21	1:E:247:TYR:CD1	0.54	2.38	4	2
1:E:317:LEU:O	1:E:317:LEU:HD23	0.53	2.03	7	2
1:D:244:PRO:O	1:D:247:TYR:CD2	0.53	2.61	7	1
1:A:261:TYR:CE1	1:E:263:TYR:CD1	0.53	2.97	9	2
1:E:299:LEU:HD22	1:E:299:LEU:N	0.53	2.18	14	3
1:E:262:LEU:HD13	1:E:262:LEU:H	0.53	1.63	15	1
1:B:251:TYR:O	1:B:254:VAL:HG22	0.52	2.04	7	1
1:B:184:LEU:HD12	1:B:309:GLN:HE21	0.52	1.63	11	1
1:C:262:LEU:HD12	1:C:262:LEU:H	0.52	1.63	2	1
1:B:188:ASN:HD21	1:C:307:ARG:HH21	0.52	1.47	13	3
1:C:303:VAL:HG12	1:D:303:VAL:HG21	0.52	1.81	15	4
1:B:203:ILE:O	1:B:205:GLN:N	0.52	2.43	13	6
1:B:262:LEU:HD13	1:B:262:LEU:H	0.52	1.65	15	8
1:C:297:ASN:ND2	1:C:298:ARG:N	0.52	2.58	11	7
1:A:295:LYS:O	1:A:299:LEU:HD22	0.52	2.05	10	3
1:B:300:VAL:O	1:B:303:VAL:HG22	0.51	2.04	9	2
1:A:306:LEU:HD23	1:A:307:ARG:N	0.51	2.20	2	1
1:D:299:LEU:HD11	1:E:300:VAL:HG13	0.51	1.81	8	1
1:B:184:LEU:HD12	1:C:307:ARG:HH22	0.51	1.64	1	1
1:E:203:ILE:O	1:E:203:ILE:HD13	0.51	2.06	3	1
1:B:290:ASN:HD22	1:B:290:ASN:N	0.50	2.05	6	2
1:C:309:GLN:HE22	1:D:307:ARG:HE	0.50	1.49	10	1
1:B:297:ASN:ND2	1:B:298:ARG:N	0.49	2.60	8	5
1:A:299:LEU:HD23	1:A:300:VAL:N	0.49	2.21	4	2
1:A:308:ASN:HD22	1:E:185:GLN:HE22	0.49	1.50	9	2
1:A:307:ARG:NH1	1:A:311:LYS:HZ1	0.49	2.06	2	1
1:D:265:GLN:H	1:D:265:GLN:NE2	0.49	2.05	11	1
1:D:297:ASN:ND2	1:D:298:ARG:N	0.49	2.60	9	1
1:D:231:ARG:HH21	1:D:239:TRP:HE1	0.49	1.51	6	3
1:A:306:LEU:HD12	1:A:306:LEU:C	0.48	2.34	12	1
1:D:182:LEU:HD22	1:D:183:LEU:N	0.48	2.23	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:E:244:PRO:O	1:E:247:TYR:CD2	0.48	2.66	1	1
1:D:263:TYR:CD1	1:E:261:TYR:CE1	0.48	3.02	14	5
1:E:264:THR:HG23	1:E:290:ASN:H	0.48	1.69	12	1
1:C:253:THR:O	1:C:256:ALA:HB3	0.48	2.09	2	2
1:C:188:ASN:HD22	1:C:188:ASN:N	0.48	2.07	14	2
1:C:251:TYR:O	1:C:254:VAL:HG22	0.48	2.09	3	2
1:B:184:LEU:HD12	1:C:307:ARG:NH2	0.47	2.23	2	3
1:A:188:ASN:HD22	1:B:307:ARG:NH1	0.47	2.07	13	1
1:E:203:ILE:O	1:E:205:GLN:N	0.47	2.47	5	1
1:D:262:LEU:H	1:D:262:LEU:CD2	0.47	2.19	13	3
1:D:316:PRO:O	1:D:317:LEU:HD23	0.47	2.09	12	1
1:B:309:GLN:HE22	1:C:307:ARG:NE	0.47	2.07	11	1
1:A:306:LEU:HD22	1:B:306:LEU:HD21	0.47	1.85	12	1
1:E:250:THR:O	1:E:253:THR:HG22	0.47	2.09	2	3
1:A:231:ARG:HE	1:A:239:TRP:HE1	0.47	1.53	4	1
1:E:306:LEU:O	1:E:306:LEU:HD22	0.47	2.10	6	1
1:C:202:LYS:O	1:C:204:GLU:N	0.47	2.47	8	1
1:E:306:LEU:C	1:E:306:LEU:HD22	0.47	2.35	13	2
1:E:235:TRP:NE1	1:E:239:TRP:NE1	0.47	2.61	12	2
1:C:252:SER:O	1:C:255:ALA:HB3	0.46	2.11	1	1
1:E:231:ARG:HH11	1:E:240:ASP:N	0.46	2.08	4	1
1:E:307:ARG:O	1:E:307:ARG:CZ	0.46	2.64	6	1
1:E:295:LYS:O	1:E:299:LEU:HD22	0.46	2.11	3	2
1:E:306:LEU:HD12	1:E:307:ARG:N	0.46	2.25	5	1
1:B:303:VAL:HG22	1:C:303:VAL:HG21	0.46	1.86	8	1
1:D:182:LEU:HD12	1:D:183:LEU:N	0.46	2.25	12	1
1:E:266:GLN:HE21	1:E:267:SER:H	0.46	1.53	1	1
1:D:310:LEU:C	1:D:310:LEU:HD22	0.46	2.36	2	1
1:B:235:TRP:NE1	1:B:239:TRP:NE1	0.46	2.63	9	4
1:D:303:VAL:O	1:D:306:LEU:HB3	0.46	2.11	12	2
1:C:290:ASN:ND2	1:C:294:GLU:H	0.46	2.09	3	1
1:E:191:THR:HG21	1:E:302:GLU:OE1	0.46	2.11	14	1
1:D:297:ASN:HD21	1:D:298:ARG:HH21	0.46	1.54	12	1
1:B:263:TYR:CE1	1:C:261:TYR:CZ	0.45	3.05	11	1
1:D:252:SER:O	1:D:255:ALA:HB3	0.45	2.12	11	1
1:D:257:THR:O	1:D:260:TYR:CE2	0.45	2.69	2	2
1:A:205:GLN:NE2	1:A:205:GLN:H	0.45	2.10	11	1
1:C:253:THR:OG1	1:D:254:VAL:HG21	0.45	2.11	14	1
1:C:293:ILE:HD12	1:C:293:ILE:N	0.45	2.27	8	1
1:A:235:TRP:NE1	1:A:239:TRP:NE1	0.45	2.65	11	2
1:A:309:GLN:HE22	1:B:314:ARG:HH22	0.45	1.53	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:263:TYR:CD2	1:C:261:TYR:CE2	0.45	3.05	15	1
1:C:309:GLN:O	1:C:309:GLN:NE2	0.45	2.50	9	1
1:B:263:TYR:CE1	1:B:291:PHE:CZ	0.44	3.04	11	1
1:A:303:VAL:O	1:A:306:LEU:HG	0.44	2.11	15	1
1:A:263:TYR:CD1	1:B:261:TYR:CE1	0.44	3.05	2	3
1:A:306:LEU:HD12	1:A:307:ARG:N	0.44	2.27	10	3
1:E:306:LEU:HD12	1:E:306:LEU:C	0.44	2.37	9	1
1:C:244:PRO:O	1:C:247:TYR:CD1	0.44	2.70	10	1
1:B:263:TYR:OH	1:C:261:TYR:CZ	0.44	2.68	4	1
1:A:194:ALA:N	1:A:195:PRO:CD	0.44	2.80	5	4
1:B:262:LEU:H	1:B:262:LEU:CD2	0.44	2.21	12	1
1:B:241:ILE:HG22	1:B:241:ILE:O	0.44	2.13	14	1
1:C:303:VAL:HG22	1:D:303:VAL:HG21	0.44	1.90	3	1
1:A:252:SER:O	1:A:255:ALA:HB3	0.44	2.12	9	2
1:D:297:ASN:HD22	1:D:297:ASN:C	0.44	2.21	2	1
1:C:225:GLN:NE2	1:C:225:GLN:H	0.43	2.11	4	1
1:A:262:LEU:H	1:A:262:LEU:CD2	0.43	2.22	15	2
1:D:235:TRP:NE1	1:D:239:TRP:NE1	0.43	2.67	13	8
1:C:227:GLY:O	1:C:230:ALA:HB3	0.43	2.13	7	2
1:C:263:TYR:CD1	1:D:261:TYR:CE1	0.43	3.06	8	1
1:C:290:ASN:HD21	1:C:294:GLU:H	0.43	1.57	3	1
1:B:252:SER:O	1:B:255:ALA:HB3	0.43	2.14	6	4
1:E:302:GLU:N	1:E:302:GLU:OE1	0.43	2.51	13	1
1:A:299:LEU:HD23	1:A:300:VAL:H	0.43	1.74	4	1
1:C:205:GLN:NE2	1:C:205:GLN:H	0.43	2.11	8	1
1:C:235:TRP:NE1	1:C:239:TRP:NE1	0.43	2.67	2	1
1:B:263:TYR:CZ	1:C:261:TYR:OH	0.42	2.68	2	2
1:B:188:ASN:HD21	1:C:307:ARG:NH2	0.42	2.12	3	1
1:D:224:VAL:O	1:D:227:GLY:N	0.42	2.52	7	3
1:A:297:ASN:C	1:A:297:ASN:HD22	0.42	2.21	14	1
1:A:298:ARG:O	1:A:301:THR:OG1	0.42	2.35	5	1
1:C:262:LEU:H	1:C:262:LEU:HD13	0.42	1.74	6	1
1:E:297:ASN:ND2	1:E:298:ARG:N	0.42	2.67	5	1
1:A:311:LYS:HZ1	1:E:181:LYS:HZ1	0.42	1.56	9	1
1:C:299:LEU:HD23	1:C:300:VAL:H	0.42	1.74	1	1
1:E:295:LYS:C	1:E:295:LYS:NZ	0.42	2.78	11	1
1:A:307:ARG:CZ	1:E:309:GLN:HE22	0.42	2.28	12	1
1:B:303:VAL:O	1:B:306:LEU:HB3	0.42	2.15	15	2
1:D:310:LEU:HD12	1:D:311:LYS:N	0.42	2.30	15	2
1:A:310:LEU:HD13	1:E:306:LEU:HD23	0.42	1.90	6	1
1:A:293:ILE:HD12	1:A:293:ILE:N	0.42	2.30	14	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:263:TYR:CZ	1:C:261:TYR:CZ	0.42	3.08	15	1
1:B:301:THR:O	1:B:304:ASP:N	0.42	2.53	8	3
1:C:257:THR:O	1:C:260:TYR:CE1	0.41	2.73	2	1
1:C:206:GLU:O	1:C:208:GLU:N	0.41	2.53	9	1
1:A:257:THR:O	1:A:260:TYR:CE2	0.41	2.73	13	1
1:C:300:VAL:O	1:C:303:VAL:HG13	0.41	2.15	9	1
1:E:295:LYS:C	1:E:295:LYS:HZ2	0.41	2.23	11	1
1:B:309:GLN:HE21	1:C:307:ARG:HH12	0.41	1.56	1	1
1:B:262:LEU:H	1:B:262:LEU:HD12	0.41	1.74	6	1
1:E:317:LEU:HD23	1:E:317:LEU:C	0.41	2.40	5	2
1:B:253:THR:O	1:B:256:ALA:HB3	0.41	2.15	13	1
1:D:293:ILE:HD12	1:D:293:ILE:N	0.41	2.30	8	1
1:A:235:TRP:NE1	1:A:239:TRP:HE1	0.41	2.13	4	1
1:B:235:TRP:NE1	1:B:239:TRP:HE1	0.41	2.13	6	1
1:E:306:LEU:HD22	1:E:306:LEU:C	0.41	2.40	6	1
1:A:205:GLN:O	1:A:207:ALA:N	0.41	2.54	12	1
1:A:185:GLN:N	1:B:311:LYS:NZ	0.41	2.69	1	1
1:A:297:ASN:ND2	1:A:298:ARG:N	0.41	2.68	6	1
1:D:309:GLN:HE21	1:E:314:ARG:NH1	0.41	2.13	8	1
1:A:293:ILE:N	1:A:293:ILE:HD12	0.41	2.30	9	1
1:B:262:LEU:HD13	1:B:262:LEU:N	0.41	2.30	13	1
1:B:188:ASN:N	1:B:188:ASN:HD22	0.41	2.14	15	1
1:B:298:ARG:O	1:B:301:THR:OG1	0.41	2.35	15	1
1:C:299:LEU:HD23	1:D:300:VAL:HG13	0.40	1.92	12	1
1:D:257:THR:O	1:D:260:TYR:CD1	0.40	2.74	15	1
1:B:309:GLN:HE21	1:C:307:ARG:NH1	0.40	2.15	1	1
1:B:263:TYR:CD1	1:C:261:TYR:CE1	0.40	3.09	3	1
1:B:262:LEU:HD12	1:B:262:LEU:N	0.40	2.31	6	1
1:B:188:ASN:HD22	1:B:188:ASN:N	0.40	2.13	8	1
1:C:301:THR:O	1:C:304:ASP:N	0.40	2.54	10	1
1:E:247:TYR:O	1:E:250:THR:OG1	0.40	2.34	15	1
1:B:235:TRP:CZ2	1:B:239:TRP:CE2	0.40	3.10	13	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	122/159 (77%)	81±38 (66±31%)	6±3 (5±3%)	12±6 (10±5%)	1 10
1	B	122/159 (77%)	85±34 (69±28%)	7±4 (6±3%)	12±5 (10±4%)	1 10
1	C	119/159 (75%)	82±32 (69±27%)	9±4 (7±3%)	12±5 (10±4%)	1 9
1	D	119/159 (75%)	84±33 (71±28%)	10±5 (9±4%)	9±4 (8±3%)	1 15
1	E	121/159 (76%)	86±34 (71±28%)	7±3 (6±3%)	11±5 (9±4%)	1 11
All	All	7701/11925 (65%)	6270 (81%)	591 (8%)	840 (11%)	1 8

All 113 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	194	ALA	13
1	B	238	SER	13
1	C	239	TRP	13
1	C	242	VAL	13
1	C	243	GLU	13
1	D	242	VAL	13
1	D	243	GLU	13
1	E	193	LEU	13
1	E	243	GLU	13
1	E	291	PHE	13
1	E	316	PRO	13
1	E	317	LEU	13
1	A	238	SER	12
1	A	242	VAL	12
1	A	243	GLU	12
1	A	291	PHE	12
1	A	316	PRO	12
1	B	195	PRO	12
1	B	204	GLU	12
1	B	239	TRP	12
1	B	242	VAL	12
1	B	243	GLU	12
1	C	238	SER	12
1	C	240	ASP	12
1	C	317	LEU	12
1	E	238	SER	12
1	E	239	TRP	12
1	B	317	LEU	12
1	A	241	ILE	11
1	A	259	GLY	11

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Mol	Chain	Res	Type	Models (Total)
1	C	203	ILE	11
1	C	204	GLU	11
1	C	241	ILE	11
1	D	204	GLU	11
1	D	238	SER	11
1	B	240	ASP	10
1	B	241	ILE	10
1	B	259	GLY	10
1	C	207	ALA	10
1	D	239	TRP	10
1	E	235	TRP	10
1	E	240	ASP	10
1	E	242	VAL	10
1	A	235	TRP	10
1	B	316	PRO	10
1	C	195	PRO	10
1	A	292	ASP	9
1	B	290	ASN	9
1	C	193	LEU	9
1	C	292	ASP	9
1	D	259	GLY	9
1	D	316	PRO	9
1	E	241	ILE	9
1	A	193	LEU	9
1	A	240	ASP	9
1	D	194	ALA	9
1	B	235	TRP	8
1	C	290	ASN	8
1	D	179	GLU	8
1	D	240	ASP	8
1	B	179	GLU	8
1	A	204	GLU	8
1	A	195	PRO	7
1	A	239	TRP	7
1	B	291	PHE	7
1	D	195	PRO	7
1	A	271	PRO	6
1	E	195	PRO	6
1	B	193	LEU	5
1	B	207	ALA	5
1	D	241	ILE	5
1	D	292	ASP	5

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Mol	Chain	Res	Type	Models (Total)
1	E	292	ASP	5
1	A	179	GLU	5
1	C	208	GLU	5
1	A	290	ASN	4
1	B	292	ASP	4
1	C	205	GLN	4
1	C	291	PHE	4
1	D	235	TRP	4
1	E	194	ALA	4
1	E	207	ALA	4
1	E	259	GLY	4
1	A	289	GLN	4
1	E	204	GLU	4
1	E	290	ASN	4
1	C	259	GLY	4
1	C	262	LEU	3
1	C	194	ALA	3
1	D	317	LEU	3
1	C	235	TRP	3
1	D	207	ALA	3
1	E	178	ARG	3
1	D	291	PHE	2
1	A	207	ALA	2
1	D	203	ILE	2
1	E	177	SER	2
1	D	193	LEU	2
1	A	206	GLU	2
1	B	178	ARG	1
1	B	236	GLU	1
1	B	271	PRO	1
1	E	203	ILE	1
1	C	237	TYR	1
1	B	237	TYR	1
1	C	209	ALA	1
1	B	208	GLU	1
1	C	179	GLU	1
1	E	208	GLU	1
1	A	203	ILE	1
1	A	209	ALA	1
1	C	316	PRO	1
1	A	208	GLU	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	36/138 (26%)	70±31 (193±86%)	16±7 (44±21%)	0 3
1	B	47/138 (34%)	74±33 (157±69%)	12±6 (25±12%)	2 25
1	C	5/138 (4%)	62±37 (1233±733%)	13±8 (269±164%)	0 0
1	D	99/138 (72%)	74±29 (75±30%)	13±6 (13±6%)	6 45
1	E	105/138 (76%)	72±29 (69±27%)	18±8 (17±7%)	4 38
All	All	6353/10350 (61%)	5269 (83%)	1084 (17%)	4 38

All 294 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	D	195	PRO	13
1	E	317	LEU	13
1	B	195	PRO	12
1	E	260	TYR	12
1	E	307	ARG	12
1	A	241	ILE	11
1	A	260	TYR	11
1	A	291	PHE	11
1	A	297	ASN	11
1	B	260	TYR	11
1	B	307	ARG	11
1	C	195	PRO	11
1	C	234	TRP	11
1	C	307	ARG	11
1	D	262	LEU	11
1	D	307	ARG	11
1	E	299	LEU	11
1	E	313	LEU	11
1	E	306	LEU	11
1	A	262	LEU	10
1	A	306	LEU	10
1	A	307	ARG	10
1	C	241	ILE	10
1	C	306	LEU	10

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Mol	Chain	Res	Type	Models (Total)
1	E	241	ILE	10
1	C	260	TYR	10
1	E	195	PRO	10
1	A	302	GLU	9
1	E	262	LEU	9
1	E	310	LEU	9
1	B	235	TRP	9
1	C	301	THR	9
1	D	260	TYR	9
1	D	299	LEU	9
1	E	316	PRO	9
1	A	299	LEU	8
1	B	262	LEU	8
1	C	297	ASN	8
1	D	311	LYS	8
1	E	264	THR	8
1	E	291	PHE	8
1	A	301	THR	7
1	B	313	LEU	7
1	C	193	LEU	7
1	E	253	THR	7
1	A	247	TYR	7
1	B	301	THR	7
1	D	243	GLU	7
1	E	203	ILE	7
1	E	247	TYR	7
1	E	301	THR	7
1	A	232	LEU	6
1	B	193	LEU	6
1	B	241	ILE	6
1	C	317	LEU	6
1	D	297	ASN	6
1	D	310	LEU	6
1	D	317	LEU	6
1	E	193	LEU	6
1	A	186	LEU	6
1	A	200	LYS	6
1	A	257	THR	6
1	A	293	ILE	6
1	B	243	GLU	6
1	E	197	HIS	6
1	C	299	LEU	6

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Mol	Chain	Res	Type	Models (Total)
1	C	310	LEU	6
1	D	186	LEU	6
1	D	253	THR	6
1	D	303	VAL	6
1	E	312	ARG	6
1	D	193	LEU	6
1	A	263	TYR	5
1	C	262	LEU	5
1	D	301	THR	5
1	C	247	TYR	5
1	D	257	THR	5
1	E	216	TRP	5
1	B	297	ASN	5
1	A	289	GLN	4
1	A	310	LEU	4
1	B	291	PHE	4
1	B	306	LEU	4
1	B	314	ARG	4
1	C	216	TRP	4
1	D	293	ILE	4
1	E	235	TRP	4
1	A	317	LEU	4
1	B	311	LYS	4
1	C	203	ILE	4
1	D	180	LYS	4
1	D	208	GLU	4
1	E	243	GLU	4
1	E	300	VAL	4
1	A	290	ASN	4
1	A	294	GLU	4
1	C	197	HIS	4
1	E	297	ASN	4
1	D	235	TRP	4
1	E	295	LYS	4
1	A	253	THR	4
1	B	304	ASP	4
1	B	310	LEU	4
1	A	193	LEU	4
1	A	182	LEU	3
1	A	235	TRP	3
1	B	299	LEU	3
1	B	316	PRO	3

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Mol	Chain	Res	Type	Models (Total)
1	C	188	ASN	3
1	C	266	GLN	3
1	C	291	PHE	3
1	C	311	LYS	3
1	D	181	LYS	3
1	D	216	TRP	3
1	D	295	LYS	3
1	E	305	GLU	3
1	E	314	ARG	3
1	A	202	LYS	3
1	A	205	GLN	3
1	A	224	VAL	3
1	A	271	PRO	3
1	C	315	ASP	3
1	D	254	VAL	3
1	E	303	VAL	3
1	A	203	ILE	3
1	B	208	GLU	3
1	B	270	TYR	3
1	C	202	LYS	3
1	C	293	ILE	3
1	D	241	ILE	3
1	E	263	TYR	3
1	A	311	LYS	3
1	C	182	LEU	3
1	C	253	THR	3
1	D	188	ASN	3
1	E	302	GLU	3
1	A	295	LYS	3
1	C	295	LYS	3
1	D	203	ILE	3
1	E	290	ASN	3
1	A	231	ARG	3
1	A	318	GLU	3
1	B	317	LEU	3
1	C	294	GLU	3
1	E	208	GLU	3
1	B	247	TYR	3
1	D	306	LEU	3
1	B	253	THR	2
1	B	309	GLN	2
1	C	186	LEU	2

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Mol	Chain	Res	Type	Models (Total)
1	C	261	TYR	2
1	C	264	THR	2
1	C	314	ARG	2
1	D	182	LEU	2
1	E	311	LYS	2
1	E	315	ASP	2
1	A	181	LYS	2
1	A	228	LEU	2
1	A	264	THR	2
1	B	231	ARG	2
1	C	200	LYS	2
1	C	250	THR	2
1	D	246	THR	2
1	D	305	GLU	2
1	A	184	LEU	2
1	A	190	GLU	2
1	B	303	VAL	2
1	E	186	LEU	2
1	E	304	ASP	2
1	B	188	ASN	2
1	C	246	THR	2
1	C	300	VAL	2
1	D	192	LEU	2
1	D	291	PHE	2
1	E	292	ASP	2
1	A	305	GLU	2
1	B	239	TRP	2
1	B	290	ASN	2
1	C	313	LEU	2
1	D	302	GLU	2
1	E	309	GLN	2
1	A	303	VAL	2
1	D	247	TYR	2
1	E	180	LYS	2
1	E	228	LEU	2
1	E	257	THR	2
1	A	243	GLU	2
1	B	204	GLU	2
1	B	250	THR	2
1	B	252	SER	2
1	B	266	GLN	2
1	B	293	ILE	2

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Mol	Chain	Res	Type	Models (Total)
1	D	304	ASP	2
1	D	309	GLN	2
1	E	183	LEU	2
1	A	188	ASN	2
1	A	312	ARG	2
1	E	201	ARG	2
1	C	243	GLU	2
1	D	184	LEU	2
1	D	315	ASP	2
1	E	231	ARG	2
1	E	254	VAL	2
1	B	186	LEU	2
1	A	313	LEU	2
1	B	236	GLU	2
1	E	265	GLN	2
1	E	224	VAL	2
1	A	315	ASP	1
1	C	183	LEU	1
1	C	254	VAL	1
1	D	294	GLU	1
1	A	201	ARG	1
1	B	182	LEU	1
1	B	183	LEU	1
1	B	242	VAL	1
1	B	302	GLU	1
1	C	181	LYS	1
1	C	296	TYR	1
1	D	263	TYR	1
1	E	185	GLN	1
1	A	304	ASP	1
1	B	263	TYR	1
1	C	179	GLU	1
1	C	196	LEU	1
1	C	198	ASP	1
1	C	290	ASN	1
1	C	305	GLU	1
1	D	179	GLU	1
1	D	266	GLN	1
1	E	188	ASN	1
1	E	239	TRP	1
1	A	180	LYS	1
1	A	196	LEU	1

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Mol	Chain	Res	Type	Models (Total)
1	A	206	GLU	1
1	B	246	THR	1
1	C	205	GLN	1
1	C	232	LEU	1
1	C	303	VAL	1
1	D	214	VAL	1
1	D	231	ARG	1
1	D	264	THR	1
1	E	206	GLU	1
1	A	179	GLU	1
1	A	204	GLU	1
1	B	200	LYS	1
1	B	254	VAL	1
1	B	315	ASP	1
1	C	206	GLU	1
1	D	185	GLN	1
1	D	187	GLU	1
1	D	312	ARG	1
1	C	214	VAL	1
1	C	228	LEU	1
1	D	200	LYS	1
1	D	204	GLU	1
1	E	261	TYR	1
1	E	293	ILE	1
1	D	268	PHE	1
1	E	181	LYS	1
1	E	187	GLU	1
1	E	269	GLU	1
1	B	206	GLU	1
1	C	309	GLN	1
1	E	182	LEU	1
1	B	181	LYS	1
1	B	238	SER	1
1	C	257	THR	1
1	D	300	VAL	1
1	A	216	TRP	1
1	A	236	GLU	1
1	A	250	THR	1
1	A	269	GLU	1
1	B	257	THR	1
1	B	295	LYS	1
1	C	302	GLU	1

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Mol	Chain	Res	Type	Models (Total)
1	C	312	ARG	1
1	D	178	ARG	1
1	A	191	THR	1
1	E	251	TYR	1
1	A	195	PRO	1
1	B	264	THR	1
1	B	312	ARG	1
1	B	318	GLU	1
1	C	233	THR	1
1	C	263	TYR	1
1	C	269	GLU	1
1	E	266	GLN	1
1	A	192	LEU	1
1	A	208	GLU	1
1	D	202	LYS	1
1	D	250	THR	1
1	D	252	SER	1
1	E	294	GLU	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 6% for the well-defined parts and 6% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *CS.bmrb*

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	657
Number of shifts mapped to atoms	657
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	143	-0.44 ± 0.11	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	103	-1.95 ± 0.12	Should be checked
$^{13}C'$	139	-0.47 ± 0.04	None needed (< 0.5 ppm)
^{15}N	136	0.25 ± 0.37	None needed (< 0.5 ppm)

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 6%, i.e. 545 atoms were assigned a chemical shift out of a possible 8634. 0 out of 110 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	460/3016 (15%)	113/1215 (9%)	234/1212 (19%)	113/589 (19%)
Sidechain	85/4665 (2%)	0/3020 (0%)	85/1451 (6%)	0/194 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	0/953 (0%)	0/458 (0%)	0/455 (0%)	0/40 (0%)
Overall	545/8634 (6%)	113/4693 (2%)	319/3118 (10%)	113/823 (14%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 6%, i.e. 657 atoms were assigned a chemical shift out of a possible 11005. 0 out of 130 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	554/3805 (15%)	136/1530 (9%)	282/1530 (18%)	136/745 (18%)
Sidechain	103/6035 (2%)	0/3895 (0%)	103/1850 (6%)	0/290 (0%)
Aromatic	0/1165 (0%)	0/555 (0%)	0/570 (0%)	0/40 (0%)
Overall	657/11005 (6%)	136/5980 (2%)	385/3950 (10%)	136/1075 (13%)

7.1.4 Statistically unusual chemical shifts (i)

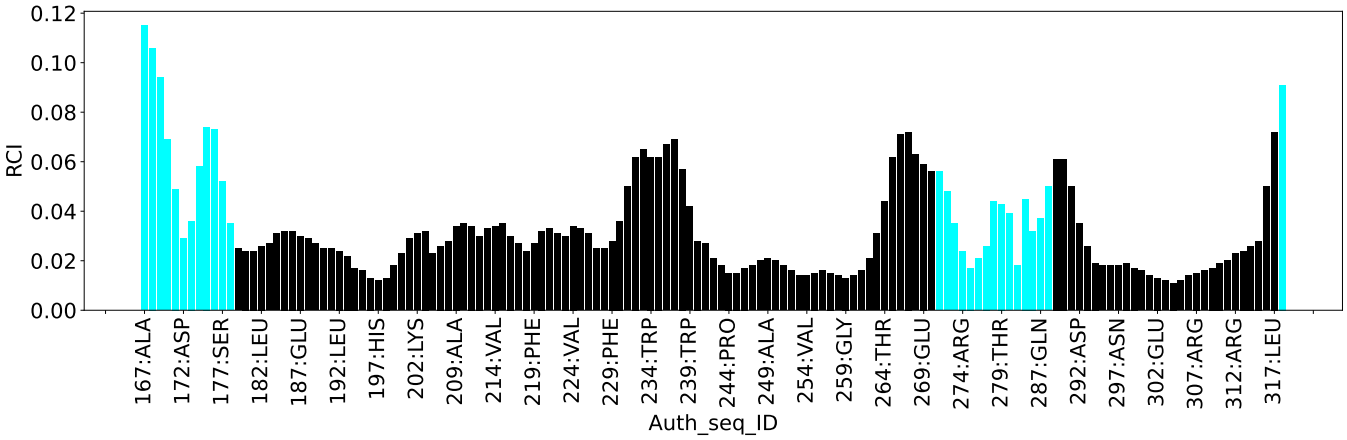
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	315	ASP	CB	32.94	32.98 – 48.76	-5.0

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.12
0.10
0.08
0.06
0.04
0.02
0.00
167:ALA
172:ASP
177:SER
182:LEU
187:GLU
192:LEU
197:HIS
202:LYS
209:ALA
214:VAL
219:PHE
224:VAL
229:PHE
234:TRP
239:TRP
244:PRO
249:ALA
254:VAL
259:GLY
264:THR
269:GLU
274:ARG
279:THR
287:GLN
292:ASP
297:ASN
302:GLU
307:ARG
312:ARG
317:LEU
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	2430
Intra-residue (|i-j|=0)	165
Sequential (|i-j|=1)	1350
Medium range (|i-j|>1 and |i-j|<5)	755
Long range (|i-j|≥5)	160
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	198
Number of unmapped restraints	0
Number of restraints per residue	3.3
Number of long range restraints per residue[1]	0.2

[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)	170.7	0.2
0.2-0.5 (Medium)	238.7	0.5
>0.5 (Large)	244.7	10.47

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)	67.9	9.57
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

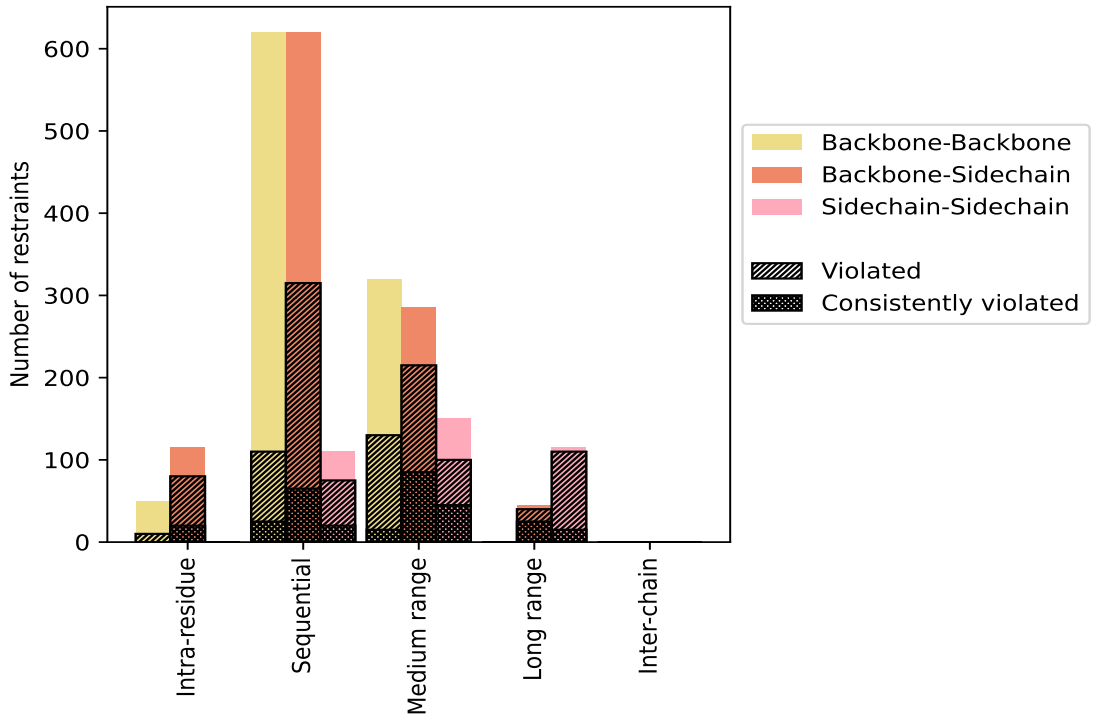
9.1 Summary of distance violations (i)

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)	165	6.8	90	54.5	3.7	20	12.1	0.8
Backbone-Backbone	50	2.1	10	20.0	0.4	0	0.0	0.0
Backbone-Sidechain	115	4.7	80	69.6	3.3	20	17.4	0.8
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	1350	55.6	500	37.0	20.6	110	8.1	4.5
Backbone-Backbone	620	25.5	110	17.7	4.5	25	4.0	1.0
Backbone-Sidechain	620	25.5	315	50.8	13.0	65	10.5	2.7
Sidechain-Sidechain	110	4.5	75	68.2	3.1	20	18.2	0.8
Medium range (|i-j|>1 & |i-j|<5)	755	31.1	445	58.9	18.3	145	19.2	6.0
Backbone-Backbone	320	13.2	130	40.6	5.3	15	4.7	0.6
Backbone-Sidechain	285	11.7	215	75.4	8.8	85	29.8	3.5
Sidechain-Sidechain	150	6.2	100	66.7	4.1	45	30.0	1.9
Long range (|i-j|≥5)	160	6.6	150	93.8	6.2	40	25.0	1.6
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	45	1.9	40	88.9	1.6	25	55.6	1.0
Sidechain-Sidechain	115	4.7	110	95.7	4.5	15	13.0	0.6
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2430	100.0	1185	48.8	48.8	315	13.0	13.0
Backbone-Backbone	990	40.7	250	25.3	10.3	40	4.0	1.6
Backbone-Sidechain	1065	43.8	650	61.0	26.7	195	18.3	8.0
Sidechain-Sidechain	375	15.4	285	76.0	11.7	80	21.3	3.3

[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	50	265	290	100	0	705	0.97	9.78	1.52	0.31
2	45	245	285	85	0	660	1.02	10.47	1.52	0.4
3	45	250	280	90	0	665	1.04	9.78	1.61	0.34
4	45	270	250	105	0	670	1.01	9.82	1.52	0.39
5	55	230	280	95	0	660	0.99	10.02	1.51	0.35
6	45	255	295	100	0	695	0.97	9.47	1.53	0.31
7	55	255	285	110	0	705	0.98	10.22	1.56	0.35
8	65	235	285	90	0	675	1.02	9.73	1.58	0.34
9	40	270	235	120	0	665	1.03	10.04	1.61	0.34
10	35	205	275	90	0	605	1.07	9.65	1.55	0.38

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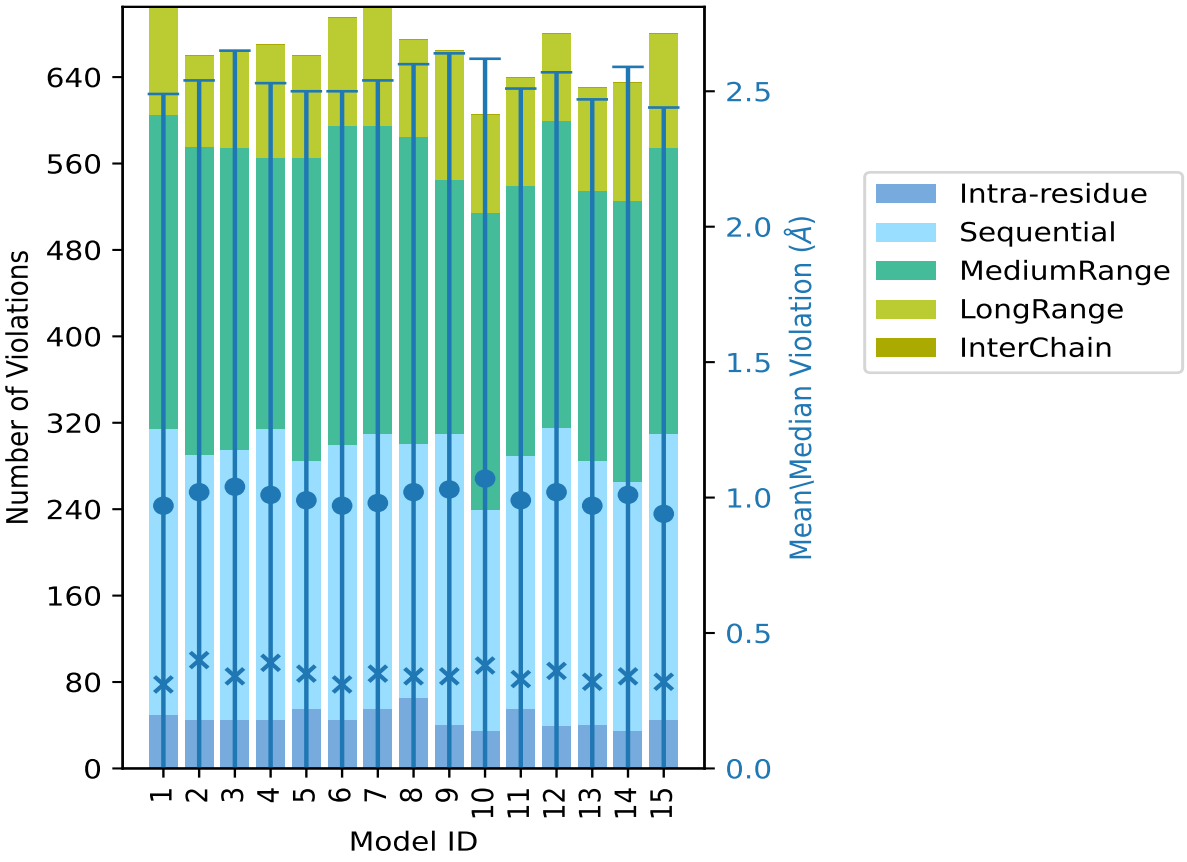
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	55	235	250	100	0	640	0.99	9.83	1.52	0.33
12	40	275	285	80	0	680	1.02	9.62	1.55	0.36
13	40	245	250	95	0	630	0.97	9.38	1.5	0.32
14	35	230	260	110	0	635	1.01	9.54	1.58	0.34
15	45	265	265	105	0	680	0.94	9.42	1.5	0.32

[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

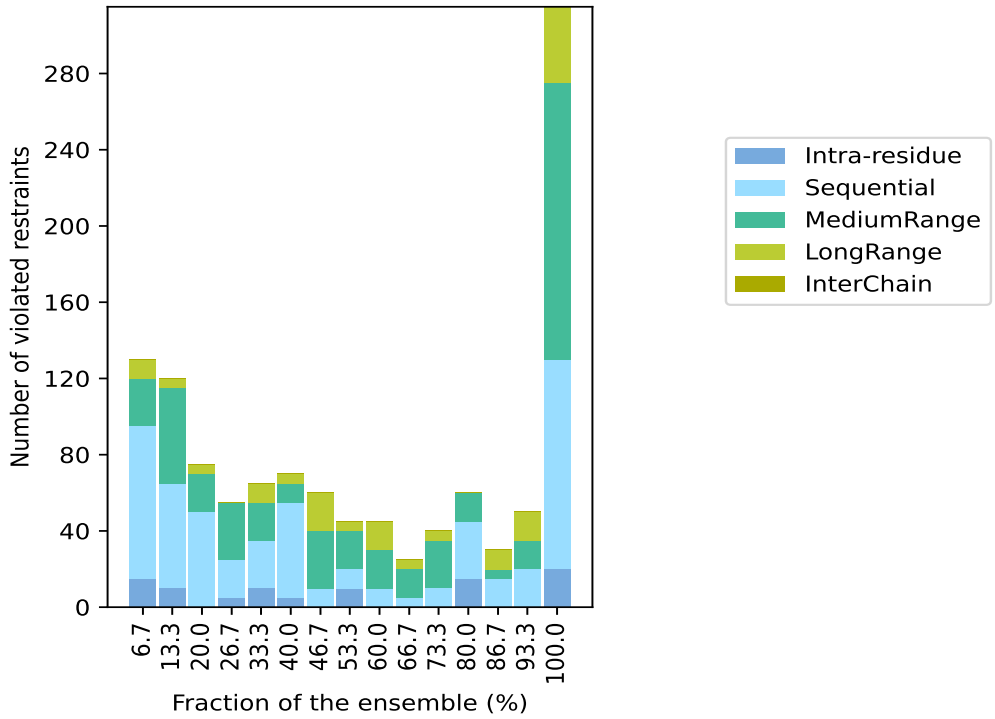
9.3 Distance violation statistics for the ensemble (i)

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, 1245(IR:75, SQ:850, MR:310, LR:10, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
15	80	25	10	0	130	1	6.7
10	55	50	5	0	120	2	13.3
0	50	20	5	0	75	3	20.0
5	20	30	0	0	55	4	26.7
10	25	20	10	0	65	5	33.3
5	50	10	5	0	70	6	40.0
0	10	30	20	0	60	7	46.7
10	10	20	5	0	45	8	53.3
0	10	20	15	0	45	9	60.0
0	5	15	5	0	25	10	66.7
0	10	25	5	0	40	11	73.3
15	30	15	0	0	60	12	80.0
0	15	5	10	0	30	13	86.7
0	20	15	15	0	50	14	93.3
20	110	145	40	0	315	15	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

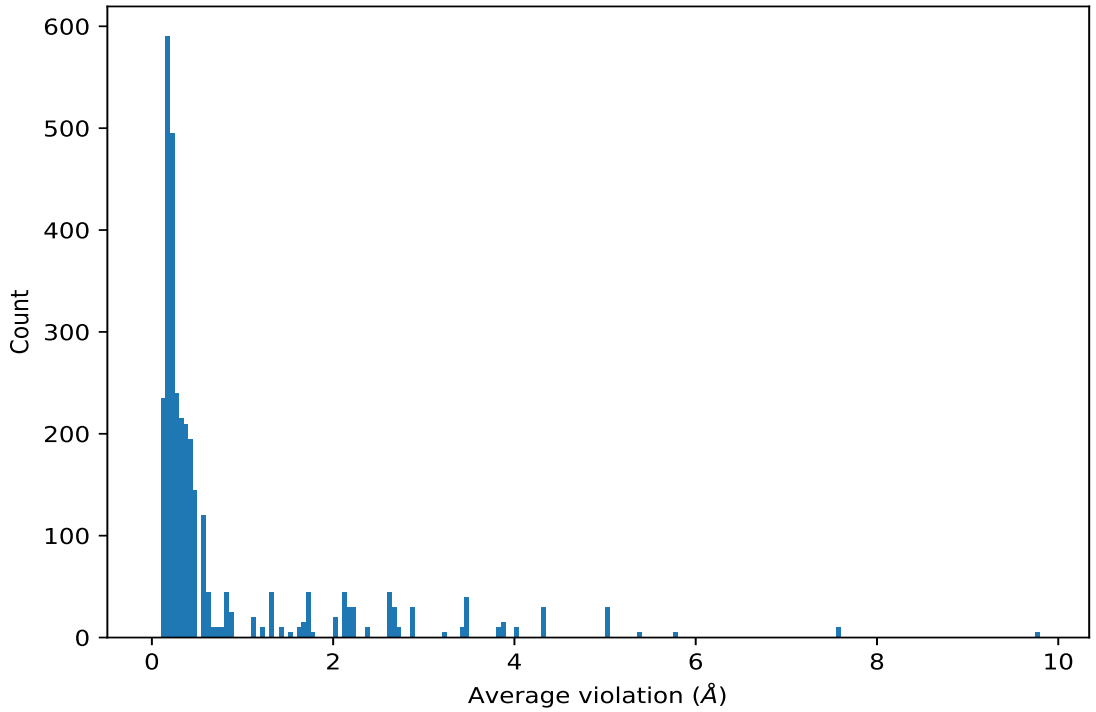
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.78	0.29	9.78
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.78	0.29	9.78
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.78	0.29	9.78
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.78	0.29	9.78
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.78	0.29	9.78
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.59	0.35	7.63
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.59	0.35	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.59	0.35	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.59	0.35	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.59	0.35	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.59	0.35	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.59	0.35	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.59	0.35	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.59	0.35	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.59	0.35	7.63
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	15	5.77	0.66	6.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	15	5.77	0.66	6.24
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	15	5.77	0.66	6.24
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	15	5.77	0.66	6.24
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	15	5.77	0.66	6.24
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.38	0.38	5.33
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.38	0.38	5.33
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.38	0.38	5.33
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.38	0.38	5.33
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.38	0.38	5.33
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	5.01	0.74	4.93
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	5.01	0.74	4.93
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.31	0.92	4.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.31	0.92	4.81
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.31	0.92	4.81
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	4.03	0.15	4.05
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	4.03	0.15	4.05
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	4.03	0.15	4.05
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	4.03	0.15	4.05
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	4.03	0.15	4.05
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	4.03	0.15	4.05
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	4.03	0.15	4.05
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	4.03	0.15	4.05
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	4.03	0.15	4.05
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	4.03	0.15	4.05
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	3.89	0.6	4.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	3.89	0.6	4.02
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.81	0.1	3.83
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.81	0.1	3.83
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.81	0.1	3.83
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.81	0.1	3.83
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.81	0.1	3.83
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.81	0.1	3.83
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.81	0.1	3.83
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.81	0.1	3.83
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.81	0.1	3.83
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.81	0.1	3.83
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	3.48	0.64	3.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	3.48	0.64	3.62
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	3.48	0.64	3.62
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.48	0.34	3.45
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.48	0.34	3.45
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.48	0.34	3.45
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.48	0.34	3.45
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.48	0.34	3.45
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.48	0.34	3.45
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.48	0.34	3.45
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.48	0.34	3.45
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.48	0.34	3.45
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.48	0.34	3.45
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.4	0.26	3.39
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.4	0.26	3.39
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.4	0.26	3.39
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.4	0.26	3.39
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.4	0.26	3.39
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.4	0.26	3.39
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.4	0.26	3.39
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.4	0.26	3.39
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.4	0.26	3.39
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.4	0.26	3.39
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.22	0.1	3.22
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.22	0.1	3.22
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.22	0.1	3.22
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.22	0.1	3.22
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.22	0.1	3.22
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	2.85	0.8	2.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	2.85	0.8	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	2.85	0.8	2.58
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.74	0.15	2.79
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.74	0.15	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.74	0.15	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.74	0.15	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.74	0.15	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.74	0.15	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.74	0.15	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.74	0.15	2.79
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.74	0.15	2.79
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.74	0.15	2.79
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.69	0.14	2.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.69	0.14	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.69	0.14	2.64
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.64	0.05	2.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.64	0.05	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.64	0.05	2.65
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	2.39	0.5	2.29
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	2.39	0.5	2.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	2.39	0.5	2.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	2.39	0.5	2.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	2.39	0.5	2.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	2.39	0.5	2.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	2.39	0.5	2.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	2.39	0.5	2.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	2.39	0.5	2.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	2.39	0.5	2.29
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.23	0.08	2.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.23	0.08	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.23	0.08	2.23
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	2.19	0.79	2.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	2.19	0.79	2.64
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	2.19	0.79	2.64
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.12	0.77	2.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.12	0.77	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.12	0.77	2.32
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.02	0.17	1.95
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.02	0.17	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.02	0.17	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.02	0.17	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.02	0.17	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.02	0.17	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.02	0.17	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.02	0.17	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.02	0.17	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.02	0.17	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	15	2.0	0.05	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	15	2.0	0.05	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	15	2.0	0.05	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	15	2.0	0.05	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	15	2.0	0.05	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	15	2.0	0.05	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	15	2.0	0.05	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	15	2.0	0.05	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	15	2.0	0.05	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	15	2.0	0.05	1.99
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.78	0.15	1.76
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.78	0.15	1.76
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.78	0.15	1.76
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.78	0.15	1.76
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.78	0.15	1.76
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.68	0.09	1.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.68	0.09	1.68
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.64	0.15	1.66
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.64	0.15	1.66
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.64	0.15	1.66
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.64	0.15	1.66
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.64	0.15	1.66
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.64	0.15	1.66
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.64	0.15	1.66
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.64	0.15	1.66
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.64	0.15	1.66
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.64	0.15	1.66
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.52	0.26	1.41
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.52	0.26	1.41
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.52	0.26	1.41
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.52	0.26	1.41
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.52	0.26	1.41
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.42	0.16	1.4
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.42	0.16	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.42	0.16	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.42	0.16	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.42	0.16	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.42	0.16	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.42	0.16	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.42	0.16	1.4
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.42	0.16	1.4
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.42	0.16	1.4
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.2	0.09	1.18
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.2	0.09	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.2	0.09	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.2	0.09	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.2	0.09	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.2	0.09	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.2	0.09	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.2	0.09	1.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.2	0.09	1.18
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.2	0.09	1.18
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.14	0.23	1.18
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.14	0.23	1.18
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.14	0.23	1.18
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.14	0.23	1.18
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.14	0.23	1.18
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.14	0.23	1.18
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.14	0.23	1.18
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.14	0.23	1.18
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.14	0.23	1.18
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.14	0.23	1.18
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.86	0.19	1.0
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.86	0.19	1.0
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.86	0.19	1.0
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.86	0.19	1.0
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.86	0.19	1.0
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.86	0.19	1.0
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.86	0.19	1.0
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.86	0.19	1.0
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.86	0.19	1.0
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.86	0.19	1.0
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.85	0.21	0.91
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.85	0.21	0.91
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.85	0.21	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.85	0.21	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.85	0.21	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.85	0.21	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.85	0.21	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.85	0.21	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.85	0.21	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.85	0.21	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.85	0.21	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.85	0.21	0.91
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.85	0.21	0.91
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.85	0.21	0.91
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.85	0.21	0.91
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.77	0.05	0.77
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.77	0.05	0.77
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.77	0.05	0.77
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.77	0.05	0.77
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.77	0.05	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.77	0.05	0.77
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.77	0.05	0.77
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.77	0.05	0.77
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.77	0.05	0.77
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.77	0.05	0.77
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.73	0.23	0.83
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.73	0.23	0.83
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.73	0.23	0.83
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.73	0.23	0.83
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.73	0.23	0.83
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.73	0.23	0.83
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.73	0.23	0.83
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.73	0.23	0.83
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.73	0.23	0.83
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.73	0.23	0.83
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.66	0.23	0.64
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.66	0.23	0.64
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.66	0.23	0.64
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.66	0.23	0.64
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.66	0.23	0.64
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.66	0.23	0.64
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.66	0.23	0.64
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.66	0.23	0.64
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.66	0.23	0.64
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.66	0.23	0.64
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.64	0.04	0.65
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.58	0.03	0.59
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.58	0.03	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.58	0.03	0.59
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.58	0.03	0.59
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.58	0.03	0.59
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.56	0.12	0.56
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.56	0.12	0.56
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.56	0.12	0.56
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.56	0.12	0.56
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.56	0.12	0.56
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.56	0.14	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.56	0.14	0.55
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.55	0.1	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.55	0.1	0.56
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.49	0.05	0.48
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.49	0.05	0.48
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.49	0.05	0.48
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.49	0.05	0.48
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.49	0.05	0.48
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.48	0.24	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.48	0.24	0.35
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.48	0.24	0.35
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.48	0.1	0.5
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.48	0.1	0.5
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.48	0.1	0.5
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.48	0.1	0.5
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.48	0.1	0.5
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.48	0.1	0.5
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.48	0.1	0.5
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.48	0.1	0.5
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.48	0.1	0.5
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.48	0.1	0.5
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.46	0.16	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.46	0.16	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.46	0.16	0.45
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.46	0.12	0.48
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.46	0.12	0.48
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.46	0.12	0.48
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.46	0.12	0.48
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.46	0.12	0.48
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.43	0.21	0.33
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.43	0.21	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.43	0.21	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.43	0.21	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.43	0.21	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.43	0.21	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.43	0.21	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.43	0.21	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.43	0.21	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.43	0.21	0.33
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.43	0.16	0.41
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.43	0.16	0.41
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.43	0.16	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.43	0.16	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.43	0.16	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.43	0.16	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.43	0.16	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.43	0.16	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.43	0.16	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.43	0.16	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.43	0.16	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.43	0.16	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.43	0.16	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.43	0.16	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.43	0.16	0.41
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.41	0.27	0.35
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.41	0.27	0.35
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.41	0.27	0.35
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.41	0.27	0.35
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.41	0.27	0.35
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.41	0.27	0.35
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.41	0.27	0.35
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.41	0.27	0.35
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.41	0.27	0.35
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.41	0.27	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.39	0.15	0.36
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.39	0.15	0.36
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.39	0.15	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.39	0.15	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.39	0.15	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.39	0.15	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.39	0.15	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.39	0.15	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.39	0.15	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.39	0.15	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.39	0.15	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.39	0.15	0.36
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.39	0.15	0.36
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.39	0.15	0.36
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.39	0.15	0.36
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.36	0.08	0.35
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.36	0.08	0.35
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.36	0.08	0.35
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.36	0.08	0.35
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.36	0.08	0.35
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.36	0.05	0.34
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.36	0.05	0.34
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.36	0.05	0.34
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.36	0.05	0.34
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.36	0.05	0.34
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.36	0.05	0.34
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.36	0.05	0.34
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.36	0.05	0.34
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.36	0.05	0.34
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.36	0.05	0.34
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.34	0.09	0.33
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.34	0.09	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.34	0.09	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.34	0.09	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.34	0.09	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.34	0.09	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.34	0.09	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.34	0.09	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.34	0.09	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.34	0.09	0.33
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.32	0.08	0.29
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.32	0.08	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.32	0.08	0.29
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.32	0.08	0.29
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.32	0.08	0.29
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.31	0.05	0.32
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.29	0.05	0.28
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.29	0.05	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.29	0.05	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.29	0.05	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.29	0.05	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.29	0.05	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.29	0.05	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.29	0.05	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.29	0.05	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.29	0.05	0.28
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.29	0.19	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.29	0.19	0.23
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.29	0.19	0.23
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.28	0.04	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.28	0.04	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.28	0.04	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.28	0.04	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.28	0.04	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.28	0.04	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.28	0.04	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.28	0.04	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.28	0.04	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.28	0.04	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.28	0.04	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.28	0.04	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.28	0.04	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.28	0.04	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.28	0.04	0.29
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.23	0.08	0.23
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.23	0.08	0.23
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.23	0.08	0.23
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.23	0.08	0.23
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.23	0.08	0.23
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.21	0.03	0.21
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.21	0.03	0.21
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.21	0.03	0.21
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.21	0.03	0.21
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.21	0.03	0.21
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.16	0.03	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.16	0.03	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.16	0.03	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.16	0.03	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.16	0.03	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.16	0.03	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.16	0.03	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.16	0.03	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.16	0.03	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.16	0.03	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.16	0.03	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.16	0.03	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.16	0.03	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.16	0.03	0.16
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.16	0.02	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.16	0.02	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.16	0.02	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.16	0.02	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.16	0.02	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.16	0.02	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.16	0.02	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.16	0.02	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.16	0.02	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.16	0.02	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.15	0.02	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.15	0.02	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.15	0.02	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.15	0.02	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.15	0.02	0.15
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.15	0.03	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.15	0.03	0.14
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	1.74	0.64	1.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	1.74	0.64	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	1.74	0.64	1.83
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.39	0.12	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.39	0.12	0.42
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.39	0.12	0.42
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.36	0.1	0.35
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.33	0.08	0.34
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.33	0.08	0.34
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.33	0.08	0.34
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.33	0.08	0.34
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.33	0.08	0.34
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.32	0.09	0.28
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.32	0.09	0.28
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.32	0.09	0.28
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.32	0.09	0.28
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.32	0.09	0.28
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.31	0.08	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.31	0.08	0.3
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.31	0.08	0.3
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.3	0.09	0.32
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.3	0.09	0.32
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.3	0.09	0.32
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.3	0.09	0.32
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.3	0.09	0.32
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.24	0.03	0.24
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.24	0.03	0.24
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.24	0.03	0.24
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.24	0.03	0.24
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.24	0.03	0.24
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.24	0.03	0.24
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.24	0.03	0.24
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.24	0.03	0.24
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.24	0.03	0.24
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.24	0.03	0.24
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.23	0.05	0.22
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.23	0.05	0.22
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.23	0.05	0.22
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.23	0.05	0.22
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.23	0.05	0.22
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.2	0.05	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.2	0.05	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.2	0.05	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.2	0.05	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.2	0.05	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.2	0.05	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.2	0.05	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.2	0.05	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.2	0.05	0.21
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	1.31	0.56	1.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	1.31	0.56	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	1.31	0.56	1.33
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	0.8	0.28	0.73
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	0.8	0.28	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.56	0.3	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.56	0.3	0.42
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.56	0.3	0.42
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.46	0.09	0.47
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.46	0.09	0.47
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.46	0.09	0.47
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.46	0.09	0.47
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.46	0.09	0.47
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.23	0.08	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.23	0.08	0.23
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.23	0.08	0.23
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	13	0.19	0.06	0.17
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	13	0.19	0.06	0.17
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.83	0.23	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.83	0.23	0.94
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.45	0.04	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.45	0.04	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.45	0.04	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.45	0.04	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.45	0.04	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.45	0.04	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.45	0.04	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.45	0.04	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.45	0.04	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.45	0.04	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.45	0.04	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.45	0.04	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.45	0.04	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.45	0.04	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.45	0.04	0.46
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.42	0.2	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.42	0.2	0.38
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.42	0.2	0.38
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.42	0.12	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.42	0.12	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.42	0.12	0.4
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.38	0.26	0.26
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	12	0.34	0.08	0.34
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	12	0.34	0.08	0.34
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	12	0.34	0.08	0.34
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	12	0.34	0.08	0.34
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	12	0.34	0.08	0.34
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	12	0.32	0.03	0.33
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	12	0.32	0.03	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	12	0.32	0.03	0.33
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	12	0.32	0.03	0.33
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	12	0.32	0.03	0.33
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	12	0.26	0.07	0.29
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	12	0.26	0.07	0.29
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	12	0.26	0.07	0.29
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	12	0.26	0.07	0.29
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	12	0.26	0.07	0.29
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	12	0.22	0.08	0.2
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	12	0.22	0.08	0.2
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	12	0.22	0.08	0.2
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	12	0.22	0.08	0.2
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	12	0.22	0.08	0.2
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.19	0.05	0.2
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.19	0.05	0.2
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.19	0.05	0.2
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.19	0.05	0.2
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.19	0.05	0.2
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.19	0.05	0.2
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.19	0.05	0.2
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.19	0.05	0.2
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.19	0.05	0.2
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.19	0.05	0.2
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	12	0.17	0.03	0.17
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	12	0.17	0.03	0.17
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	12	0.17	0.03	0.17
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	12	0.17	0.03	0.17
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	12	0.17	0.03	0.17
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.14	0.02	0.14
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.14	0.02	0.14
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.14	0.02	0.14
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.14	0.02	0.14
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.14	0.02	0.14
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.36	0.14	0.34
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.36	0.14	0.34
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.36	0.14	0.34
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.36	0.14	0.34
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.36	0.14	0.34
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.33	0.1	0.32
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.33	0.1	0.32
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.33	0.1	0.32
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.33	0.1	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.33	0.1	0.32
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.33	0.1	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.33	0.1	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.33	0.1	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.33	0.1	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.33	0.1	0.32
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.29	0.11	0.28
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.29	0.11	0.28
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.29	0.11	0.28
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.29	0.11	0.28
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.29	0.11	0.28
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.27	0.11	0.28
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.27	0.11	0.28
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.27	0.11	0.28
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.27	0.11	0.28
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.27	0.11	0.28
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.27	0.11	0.28
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.27	0.11	0.28
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.27	0.11	0.28
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.27	0.11	0.28
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.27	0.11	0.28
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	11	0.21	0.07	0.21
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	11	0.19	0.08	0.19
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	11	0.19	0.08	0.19
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	11	0.19	0.08	0.19
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	11	0.19	0.08	0.19
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	11	0.19	0.08	0.19
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.18	0.05	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.18	0.05	0.17
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.18	0.05	0.17
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.13	0.02	0.13
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.13	0.02	0.13
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.13	0.02	0.13
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.13	0.02	0.13
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.13	0.02	0.13
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.37	0.07	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.37	0.07	0.36
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.37	0.07	0.36
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.36	0.16	0.36
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.36	0.16	0.36
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.36	0.16	0.36
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.36	0.16	0.36
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.36	0.16	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.24	0.06	0.22
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.24	0.06	0.22
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.24	0.06	0.22
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.24	0.06	0.22
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.24	0.06	0.22
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.23	0.02	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.23	0.02	0.23
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.18	0.06	0.16
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.18	0.06	0.16
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.18	0.06	0.16
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.18	0.06	0.16
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.18	0.06	0.16
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.36	0.14	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.36	0.14	0.44
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.36	0.14	0.44
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.32	0.29	0.18
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.32	0.29	0.18
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.32	0.29	0.18
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.32	0.29	0.18
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.32	0.29	0.18
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.29	0.12	0.26
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.29	0.12	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.29	0.12	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.29	0.12	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.29	0.12	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.29	0.12	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.29	0.12	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.29	0.12	0.26
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.29	0.12	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.29	0.12	0.26
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.28	0.09	0.26
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.21	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.21	0.06	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.21	0.06	0.18
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.21	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.21	0.08	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.21	0.08	0.2
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	9	0.19	0.05	0.2
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	9	0.14	0.03	0.15
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	9	0.14	0.03	0.15
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	9	0.14	0.03	0.15
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	9	0.14	0.03	0.15
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	9	0.14	0.03	0.15
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.13	0.03	0.13
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.13	0.03	0.13
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.13	0.03	0.13
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.13	0.03	0.13
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.13	0.03	0.13
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.3	0.21	0.21
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.3	0.21	0.21
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.3	0.21	0.21
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.3	0.21	0.21
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.3	0.21	0.21
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.3	0.21	0.21
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.3	0.21	0.21
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.3	0.21	0.21
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.3	0.21	0.21
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.3	0.21	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.3	0.15	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.3	0.15	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.3	0.15	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.3	0.15	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.3	0.15	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.3	0.15	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.3	0.15	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.3	0.15	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.3	0.15	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.3	0.15	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.3	0.15	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.3	0.15	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.3	0.15	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.3	0.15	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.3	0.15	0.23
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.29	0.17	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.29	0.17	0.29
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.29	0.17	0.29
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.26	0.02	0.27
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.26	0.02	0.27
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.26	0.02	0.27
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.26	0.02	0.27
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.26	0.02	0.27
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	8	0.23	0.07	0.24
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	8	0.23	0.07	0.24
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	8	0.22	0.15	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	8	0.22	0.15	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	8	0.22	0.15	0.15
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	8	0.18	0.04	0.18
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	8	0.18	0.04	0.18
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	8	0.18	0.04	0.18
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	8	0.18	0.04	0.18
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	8	0.18	0.04	0.18
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.17	0.05	0.16
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.17	0.05	0.16
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.17	0.05	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.17	0.05	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.17	0.05	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.17	0.05	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.17	0.05	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.17	0.05	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.17	0.05	0.16
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.17	0.05	0.16
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.17	0.05	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.17	0.05	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.17	0.05	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.17	0.05	0.16
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12	0.01	0.12
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12	0.01	0.12
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12	0.01	0.12
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12	0.01	0.12
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12	0.01	0.12
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.4	0.19	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.4	0.19	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.4	0.19	0.36
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	7	0.4	0.22	0.25
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	7	0.4	0.22	0.25
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	7	0.4	0.22	0.25
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	7	0.4	0.22	0.25
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	7	0.4	0.22	0.25
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	7	0.4	0.22	0.25
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	7	0.4	0.22	0.25
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	7	0.4	0.22	0.25
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	7	0.4	0.22	0.25
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	7	0.4	0.22	0.25
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	7	0.33	0.05	0.35
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	7	0.33	0.05	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	7	0.33	0.05	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	7	0.33	0.05	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	7	0.33	0.05	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	7	0.33	0.05	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	7	0.33	0.05	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	7	0.33	0.05	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	7	0.33	0.05	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	7	0.33	0.05	0.35
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.26	0.09	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.26	0.09	0.24
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	7	0.26	0.13	0.21
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	7	0.26	0.13	0.21
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	7	0.26	0.13	0.21
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	7	0.26	0.13	0.21
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	7	0.26	0.13	0.21
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	7	0.26	0.13	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	7	0.26	0.13	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	7	0.26	0.13	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	7	0.26	0.13	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	7	0.26	0.13	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	7	0.26	0.13	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	7	0.26	0.13	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	7	0.26	0.13	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	7	0.26	0.13	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	7	0.26	0.13	0.21
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.23	0.12	0.16
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.23	0.12	0.16
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.23	0.12	0.16
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.23	0.12	0.16
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.23	0.12	0.16
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.23	0.12	0.16
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.23	0.12	0.16
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.23	0.12	0.16
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.23	0.12	0.16
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.23	0.12	0.16
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22	0.05	0.22
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22	0.05	0.22
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22	0.05	0.22
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22	0.05	0.22
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22	0.05	0.22
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22	0.05	0.22
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22	0.05	0.22
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22	0.05	0.22
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22	0.05	0.22
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22	0.05	0.22
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	7	0.19	0.04	0.18
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	7	0.19	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	7	0.19	0.04	0.18
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	7	0.19	0.04	0.18
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	7	0.19	0.04	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	7	0.19	0.06	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	7	0.19	0.06	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	7	0.19	0.06	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	7	0.19	0.06	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	7	0.19	0.06	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	7	0.19	0.06	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	7	0.19	0.06	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	7	0.19	0.06	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	7	0.19	0.06	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	7	0.19	0.06	0.18
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.17	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.17	0.04	0.16
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.16	0.06	0.15
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	7	0.16	0.03	0.18
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	7	0.16	0.03	0.18
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	7	0.16	0.03	0.18
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	7	0.16	0.03	0.18
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	7	0.16	0.03	0.18
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.6	0.3	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.6	0.3	0.78
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	6	0.36	0.09	0.36
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	6	0.36	0.09	0.36
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	6	0.36	0.09	0.36
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	6	0.36	0.09	0.36
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	6	0.36	0.09	0.36
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	6	0.36	0.09	0.36
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	6	0.36	0.09	0.36
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	6	0.36	0.09	0.36
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	6	0.36	0.09	0.36
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	6	0.36	0.09	0.36
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	6	0.36	0.09	0.36
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	6	0.36	0.09	0.36
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	6	0.36	0.09	0.36
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	6	0.36	0.09	0.36
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	6	0.36	0.09	0.36
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	6	0.36	0.15	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	6	0.36	0.15	0.31
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	6	0.28	0.08	0.3
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	6	0.28	0.08	0.3
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.27	0.06	0.29
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.27	0.06	0.29
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.27	0.06	0.29
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.27	0.06	0.29
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.27	0.06	0.29
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.27	0.06	0.29
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.27	0.06	0.29
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.27	0.06	0.29
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.27	0.06	0.29
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.27	0.06	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	6	0.18	0.07	0.17
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	6	0.18	0.07	0.17
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	6	0.18	0.07	0.17
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	6	0.18	0.07	0.17
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	6	0.18	0.07	0.17
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.17	0.05	0.18
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.17	0.05	0.18
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.17	0.05	0.18
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.17	0.05	0.18
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.17	0.05	0.18
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.17	0.05	0.18
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.17	0.05	0.18
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.17	0.05	0.18
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.17	0.05	0.18
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.17	0.05	0.18
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.17	0.05	0.16
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.17	0.05	0.16
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.17	0.05	0.16
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.17	0.05	0.16
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.17	0.05	0.16
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.17	0.05	0.16
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.17	0.05	0.16
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.17	0.05	0.16
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.17	0.05	0.16
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.17	0.05	0.16
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	6	0.16	0.06	0.15
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	6	0.16	0.06	0.15
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	6	0.16	0.06	0.15
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	6	0.16	0.06	0.15
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	6	0.16	0.06	0.15
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	6	0.16	0.02	0.16
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	6	0.16	0.02	0.16
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	6	0.16	0.02	0.16
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	6	0.16	0.02	0.16
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	6	0.16	0.02	0.16
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.15	0.03	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.15	0.03	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.15	0.03	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.15	0.03	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.15	0.03	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.15	0.03	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.15	0.03	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.15	0.03	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.15	0.03	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.15	0.03	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.15	0.03	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.15	0.03	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.15	0.03	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.15	0.03	0.15
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	6	0.13	0.03	0.13
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	6	0.13	0.03	0.13
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	6	0.13	0.03	0.13
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	6	0.13	0.03	0.13
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	6	0.13	0.03	0.13
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	6	0.13	0.03	0.13
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	6	0.13	0.03	0.13
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	6	0.13	0.03	0.13
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	6	0.13	0.03	0.13
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	6	0.13	0.03	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	6	0.12	0.02	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	6	0.12	0.02	0.13
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	6	0.12	0.02	0.13
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	6	0.12	0.02	0.13
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	6	0.12	0.02	0.13
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	6	0.12	0.02	0.13
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	6	0.12	0.02	0.13
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	6	0.12	0.02	0.13
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	6	0.12	0.02	0.13
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	6	0.12	0.02	0.13
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.12	0.02	0.12
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.12	0.02	0.12
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	5	0.41	0.23	0.27
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	5	0.41	0.23	0.27
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	5	0.41	0.23	0.27
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	5	0.41	0.23	0.27
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	5	0.41	0.23	0.27
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	5	0.36	0.25	0.16
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	5	0.36	0.25	0.16
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	5	0.36	0.25	0.16
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	5	0.36	0.25	0.16
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	5	0.36	0.25	0.16
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	5	0.23	0.02	0.24
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	5	0.23	0.02	0.24
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	5	0.23	0.11	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	5	0.23	0.11	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	5	0.23	0.11	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	5	0.23	0.11	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	5	0.23	0.11	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	5	0.23	0.11	0.26
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	5	0.23	0.02	0.24
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	5	0.23	0.02	0.24
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	5	0.23	0.11	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	5	0.23	0.11	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	5	0.23	0.11	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	5	0.23	0.11	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	5	0.23	0.11	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	5	0.23	0.11	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	5	0.23	0.02	0.24
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	5	0.23	0.02	0.24
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	5	0.23	0.11	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	5	0.23	0.11	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	5	0.23	0.11	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	5	0.23	0.11	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	5	0.23	0.11	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	5	0.23	0.11	0.26
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	5	0.23	0.02	0.24
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	5	0.23	0.02	0.24
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	5	0.23	0.11	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	5	0.23	0.11	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	5	0.23	0.11	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	5	0.23	0.11	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	5	0.23	0.11	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	5	0.23	0.11	0.26
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	5	0.23	0.02	0.24
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	5	0.23	0.02	0.24
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	5	0.23	0.11	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	5	0.23	0.11	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	5	0.23	0.11	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	5	0.23	0.11	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	5	0.23	0.11	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	5	0.23	0.11	0.26
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	5	0.18	0.07	0.14
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	5	0.18	0.07	0.14
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	5	0.18	0.07	0.14
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	5	0.18	0.07	0.14
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	5	0.18	0.07	0.14
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	5	0.17	0.04	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	5	0.17	0.04	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	5	0.17	0.04	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	5	0.17	0.04	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	5	0.17	0.04	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	5	0.17	0.04	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	5	0.17	0.04	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	5	0.17	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	5	0.17	0.04	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	5	0.17	0.04	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	5	0.17	0.04	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	5	0.17	0.04	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	5	0.17	0.04	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	5	0.17	0.04	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	5	0.17	0.04	0.17
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.16	0.05	0.17
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.16	0.05	0.17
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.16	0.05	0.17
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.16	0.05	0.17
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.16	0.05	0.17
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16	0.02	0.17
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	5	0.16	0.04	0.17
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	5	0.16	0.04	0.17
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	5	0.16	0.04	0.17
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	5	0.16	0.04	0.17
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	5	0.16	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	5	0.15	0.03	0.15
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	5	0.15	0.03	0.15
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	5	0.15	0.02	0.14
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	5	0.15	0.02	0.14
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	5	0.15	0.02	0.14
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	5	0.15	0.02	0.14
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	5	0.15	0.02	0.14
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	5	0.15	0.02	0.14
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	5	0.15	0.02	0.14
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	5	0.15	0.02	0.14
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	5	0.15	0.02	0.14
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	5	0.15	0.02	0.14
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	5	0.12	0.01	0.12
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	5	0.12	0.01	0.12
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	5	0.12	0.01	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	5	0.12	0.01	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	5	0.12	0.01	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	5	0.12	0.01	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	5	0.12	0.01	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	5	0.12	0.01	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	5	0.12	0.01	0.12
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12	0.02	0.12
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12	0.02	0.12
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12	0.02	0.12
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12	0.02	0.12
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12	0.02	0.12
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12	0.02	0.12
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12	0.02	0.12
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12	0.02	0.12
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12	0.02	0.12
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12	0.02	0.12
(1,215)	1:240:A:ASP:H	1:240:A:ASP:HB3	4	0.55	0.06	0.53
(1,628)	1:240:A:ASP:H	1:240:A:ASP:HB3	4	0.55	0.06	0.53
(1,1041)	1:240:A:ASP:H	1:240:A:ASP:HB3	4	0.55	0.06	0.53
(1,1454)	1:240:A:ASP:H	1:240:A:ASP:HB3	4	0.55	0.06	0.53
(1,1867)	1:240:A:ASP:H	1:240:A:ASP:HB3	4	0.55	0.06	0.53
(1,232)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,232)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,232)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,645)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,645)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,645)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1058)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1058)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1058)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1471)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1471)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1471)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1884)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1884)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,1884)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.34	0.14	0.33
(1,2)	1:178:A:ARG:H	1:177:A:SER:H	4	0.32	0.18	0.24
(1,415)	1:178:A:ARG:H	1:177:A:SER:H	4	0.32	0.18	0.24
(1,828)	1:178:A:ARG:H	1:177:A:SER:H	4	0.32	0.18	0.24
(1,1241)	1:178:A:ARG:H	1:177:A:SER:H	4	0.32	0.18	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1654)	1:178:A:ARG:H	1:177:A:SER:H	4	0.32	0.18	0.24
(1,364)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,364)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,364)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,777)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,777)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,777)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1190)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1190)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1190)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1603)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1603)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,1603)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,2016)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,2016)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,2016)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.26	0.18	0.18
(1,254)	1:246:A:THR:H	1:243:A:GLU:HA	4	0.24	0.08	0.26
(1,667)	1:246:A:THR:H	1:243:A:GLU:HA	4	0.24	0.08	0.26
(1,1080)	1:246:A:THR:H	1:243:A:GLU:HA	4	0.24	0.08	0.26
(1,1493)	1:246:A:THR:H	1:243:A:GLU:HA	4	0.24	0.08	0.26
(1,1906)	1:246:A:THR:H	1:243:A:GLU:HA	4	0.24	0.08	0.26
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.24	0.04	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.24	0.04	0.24
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.24	0.04	0.24
(1,398)	1:313:A:LEU:H	1:311:A:LYS:H	4	0.22	0.05	0.23
(1,811)	1:313:A:LEU:H	1:311:A:LYS:H	4	0.22	0.05	0.23
(1,1224)	1:313:A:LEU:H	1:311:A:LYS:H	4	0.22	0.05	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1637)	1:313:A:LEU:H	1:311:A:LYS:H	4	0.22	0.05	0.23
(1,2050)	1:313:A:LEU:H	1:311:A:LYS:H	4	0.22	0.05	0.23
(1,154)	1:226:A:THR:H	1:224:A:VAL:H	4	0.14	0.02	0.15
(1,397)	1:313:A:LEU:H	1:315:A:ASP:H	4	0.14	0.03	0.14
(1,567)	1:226:A:THR:H	1:224:A:VAL:H	4	0.14	0.02	0.15
(1,810)	1:313:A:LEU:H	1:315:A:ASP:H	4	0.14	0.03	0.14
(1,980)	1:226:A:THR:H	1:224:A:VAL:H	4	0.14	0.02	0.15
(1,1223)	1:313:A:LEU:H	1:315:A:ASP:H	4	0.14	0.03	0.14
(1,1393)	1:226:A:THR:H	1:224:A:VAL:H	4	0.14	0.02	0.15
(1,1636)	1:313:A:LEU:H	1:315:A:ASP:H	4	0.14	0.03	0.14
(1,1806)	1:226:A:THR:H	1:224:A:VAL:H	4	0.14	0.02	0.15
(1,2049)	1:313:A:LEU:H	1:315:A:ASP:H	4	0.14	0.03	0.14
(1,179)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.12	0.02	0.11
(1,224)	1:241:A:ILE:H	1:242:A:VAL:HB	4	0.12	0.02	0.12
(1,592)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.12	0.02	0.11
(1,637)	1:241:A:ILE:H	1:242:A:VAL:HB	4	0.12	0.02	0.12
(1,1005)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.12	0.02	0.11
(1,1050)	1:241:A:ILE:H	1:242:A:VAL:HB	4	0.12	0.02	0.12
(1,1418)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.12	0.02	0.11
(1,1463)	1:241:A:ILE:H	1:242:A:VAL:HB	4	0.12	0.02	0.12
(1,1831)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.12	0.02	0.11
(1,1876)	1:241:A:ILE:H	1:242:A:VAL:HB	4	0.12	0.02	0.12
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB2	3	1.14	0.07	1.18
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB3	3	1.14	0.07	1.18
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB2	3	1.14	0.07	1.18
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB3	3	1.14	0.07	1.18
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB2	3	1.14	0.07	1.18
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB3	3	1.14	0.07	1.18
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB2	3	1.14	0.07	1.18
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB3	3	1.14	0.07	1.18
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB2	3	1.14	0.07	1.18
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB3	3	1.14	0.07	1.18
(1,46)	1:192:A:LEU:HD11	1:191:A:THR:H	3	0.6	0.19	0.73
(1,46)	1:192:A:LEU:HD12	1:191:A:THR:H	3	0.6	0.19	0.73
(1,46)	1:192:A:LEU:HD13	1:191:A:THR:H	3	0.6	0.19	0.73
(1,459)	1:192:A:LEU:HD11	1:191:A:THR:H	3	0.6	0.19	0.73
(1,459)	1:192:A:LEU:HD12	1:191:A:THR:H	3	0.6	0.19	0.73
(1,459)	1:192:A:LEU:HD13	1:191:A:THR:H	3	0.6	0.19	0.73
(1,872)	1:192:A:LEU:HD11	1:191:A:THR:H	3	0.6	0.19	0.73
(1,872)	1:192:A:LEU:HD12	1:191:A:THR:H	3	0.6	0.19	0.73
(1,872)	1:192:A:LEU:HD13	1:191:A:THR:H	3	0.6	0.19	0.73
(1,1285)	1:192:A:LEU:HD11	1:191:A:THR:H	3	0.6	0.19	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1285)	1:192:A:LEU:HD12	1:191:A:THR:H	3	0.6	0.19	0.73
(1,1285)	1:192:A:LEU:HD13	1:191:A:THR:H	3	0.6	0.19	0.73
(1,1698)	1:192:A:LEU:HD11	1:191:A:THR:H	3	0.6	0.19	0.73
(1,1698)	1:192:A:LEU:HD12	1:191:A:THR:H	3	0.6	0.19	0.73
(1,1698)	1:192:A:LEU:HD13	1:191:A:THR:H	3	0.6	0.19	0.73
(1,355)	1:301:A:THR:H	1:300:A:VAL:HB	3	0.47	0.04	0.48
(1,768)	1:301:A:THR:H	1:300:A:VAL:HB	3	0.47	0.04	0.48
(1,1181)	1:301:A:THR:H	1:300:A:VAL:HB	3	0.47	0.04	0.48
(1,1594)	1:301:A:THR:H	1:300:A:VAL:HB	3	0.47	0.04	0.48
(1,2007)	1:301:A:THR:H	1:300:A:VAL:HB	3	0.47	0.04	0.48
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB2	3	0.47	0.04	0.44
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB3	3	0.47	0.04	0.44
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB2	3	0.47	0.04	0.44
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB3	3	0.47	0.04	0.44
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB2	3	0.47	0.04	0.44
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB3	3	0.47	0.04	0.44
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB2	3	0.47	0.04	0.44
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB3	3	0.47	0.04	0.44
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB2	3	0.47	0.04	0.44
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB3	3	0.47	0.04	0.44
(1,212)	1:240:A:ASP:H	1:239:A:TRP:HB3	3	0.28	0.03	0.3
(1,625)	1:240:A:ASP:H	1:239:A:TRP:HB3	3	0.28	0.03	0.3
(1,1038)	1:240:A:ASP:H	1:239:A:TRP:HB3	3	0.28	0.03	0.3
(1,1451)	1:240:A:ASP:H	1:239:A:TRP:HB3	3	0.28	0.03	0.3
(1,1864)	1:240:A:ASP:H	1:239:A:TRP:HB3	3	0.28	0.03	0.3
(1,343)	1:299:A:LEU:HD21	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,343)	1:299:A:LEU:HD22	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,343)	1:299:A:LEU:HD23	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,756)	1:299:A:LEU:HD21	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,756)	1:299:A:LEU:HD22	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,756)	1:299:A:LEU:HD23	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1169)	1:299:A:LEU:HD21	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1169)	1:299:A:LEU:HD22	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1169)	1:299:A:LEU:HD23	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1582)	1:299:A:LEU:HD21	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1582)	1:299:A:LEU:HD22	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1582)	1:299:A:LEU:HD23	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1995)	1:299:A:LEU:HD21	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1995)	1:299:A:LEU:HD22	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,1995)	1:299:A:LEU:HD23	1:300:A:VAL:H	3	0.27	0.13	0.27
(1,4)	1:179:A:GLU:H	1:178:A:ARG:H	3	0.22	0.03	0.23
(1,417)	1:179:A:GLU:H	1:178:A:ARG:H	3	0.22	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,830)	1:179:A:GLU:H	1:178:A:ARG:H	3	0.22	0.03	0.23
(1,1243)	1:179:A:GLU:H	1:178:A:ARG:H	3	0.22	0.03	0.23
(1,1656)	1:179:A:GLU:H	1:178:A:ARG:H	3	0.22	0.03	0.23
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG2	3	0.2	0.08	0.19
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG3	3	0.2	0.08	0.19
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG2	3	0.2	0.08	0.19
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG3	3	0.2	0.08	0.19
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG2	3	0.2	0.08	0.19
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG3	3	0.2	0.08	0.19
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG2	3	0.2	0.08	0.19
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG3	3	0.2	0.08	0.19
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG2	3	0.2	0.08	0.19
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG3	3	0.2	0.08	0.19
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	3	0.17	0.01	0.17
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	3	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	3	0.17	0.01	0.17
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD2	3	0.17	0.04	0.15
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD3	3	0.17	0.04	0.15
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	3	0.16	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	3	0.16	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	3	0.16	0.04	0.18
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	3	0.16	0.04	0.18
(1,63)	1:197:A:HIS:H	1:195:A:PRO:HA	3	0.16	0.04	0.13
(1,476)	1:197:A:HIS:H	1:195:A:PRO:HA	3	0.16	0.04	0.13
(1,889)	1:197:A:HIS:H	1:195:A:PRO:HA	3	0.16	0.04	0.13
(1,1302)	1:197:A:HIS:H	1:195:A:PRO:HA	3	0.16	0.04	0.13
(1,1715)	1:197:A:HIS:H	1:195:A:PRO:HA	3	0.16	0.04	0.13
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.14	0.0	0.14
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.14	0.0	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.14	0.0	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.14	0.0	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.14	0.0	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.14	0.0	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.14	0.0	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.14	0.0	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.14	0.0	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.14	0.0	0.14
(1,313)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,313)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,313)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,726)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,726)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,726)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1139)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1139)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1139)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1552)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1552)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1552)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1965)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1965)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,1965)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.13	0.02	0.12
(1,345)	1:300:A:VAL:H	1:299:A:LEU:H	3	0.11	0.01	0.1
(1,758)	1:300:A:VAL:H	1:299:A:LEU:H	3	0.11	0.01	0.1
(1,1171)	1:300:A:VAL:H	1:299:A:LEU:H	3	0.11	0.01	0.1
(1,1584)	1:300:A:VAL:H	1:299:A:LEU:H	3	0.11	0.01	0.1
(1,1997)	1:300:A:VAL:H	1:299:A:LEU:H	3	0.11	0.01	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,257)	1:246:A:THR:HG21	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,257)	1:246:A:THR:HG22	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,257)	1:246:A:THR:HG23	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,670)	1:246:A:THR:HG21	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,670)	1:246:A:THR:HG22	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,670)	1:246:A:THR:HG23	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1083)	1:246:A:THR:HG21	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1083)	1:246:A:THR:HG22	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1083)	1:246:A:THR:HG23	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1496)	1:246:A:THR:HG21	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1496)	1:246:A:THR:HG22	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1496)	1:246:A:THR:HG23	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1909)	1:246:A:THR:HG21	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1909)	1:246:A:THR:HG22	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,1909)	1:246:A:THR:HG23	1:250:A:THR:HA	2	0.48	0.02	0.48
(1,376)	1:306:A:LEU:HD11	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,376)	1:306:A:LEU:HD12	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,376)	1:306:A:LEU:HD13	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,789)	1:306:A:LEU:HD11	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,789)	1:306:A:LEU:HD12	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,789)	1:306:A:LEU:HD13	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1202)	1:306:A:LEU:HD11	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1202)	1:306:A:LEU:HD12	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1202)	1:306:A:LEU:HD13	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1615)	1:306:A:LEU:HD11	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1615)	1:306:A:LEU:HD12	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,1615)	1:306:A:LEU:HD13	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,2028)	1:306:A:LEU:HD11	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,2028)	1:306:A:LEU:HD12	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,2028)	1:306:A:LEU:HD13	1:303:A:VAL:HA	2	0.45	0.14	0.45
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG2	2	0.44	0.02	0.44
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG3	2	0.44	0.02	0.44
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG2	2	0.44	0.02	0.44
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG3	2	0.44	0.02	0.44
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG2	2	0.44	0.02	0.44
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG3	2	0.44	0.02	0.44
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG2	2	0.44	0.02	0.44
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG3	2	0.44	0.02	0.44
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG2	2	0.44	0.02	0.44
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG3	2	0.44	0.02	0.44
(1,293)	1:262:A:LEU:HD11	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,293)	1:262:A:LEU:HD12	1:258:A:PHE:H	2	0.4	0.06	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,293)	1:262:A:LEU:HD13	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,706)	1:262:A:LEU:HD11	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,706)	1:262:A:LEU:HD12	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,706)	1:262:A:LEU:HD13	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1119)	1:262:A:LEU:HD11	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1119)	1:262:A:LEU:HD12	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1119)	1:262:A:LEU:HD13	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1532)	1:262:A:LEU:HD11	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1532)	1:262:A:LEU:HD12	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1532)	1:262:A:LEU:HD13	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1945)	1:262:A:LEU:HD11	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1945)	1:262:A:LEU:HD12	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,1945)	1:262:A:LEU:HD13	1:258:A:PHE:H	2	0.4	0.06	0.4
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB2	2	0.33	0.01	0.33
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB2	2	0.33	0.01	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB3	2	0.33	0.01	0.33
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3	0.0	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3	0.0	0.3
(1,378)	1:307:A:ARG:H	1:309:A:GLN:H	2	0.22	0.02	0.22
(1,791)	1:307:A:ARG:H	1:309:A:GLN:H	2	0.22	0.02	0.22
(1,1204)	1:307:A:ARG:H	1:309:A:GLN:H	2	0.22	0.02	0.22
(1,1617)	1:307:A:ARG:H	1:309:A:GLN:H	2	0.22	0.02	0.22
(1,2030)	1:307:A:ARG:H	1:309:A:GLN:H	2	0.22	0.02	0.22
(1,169)	1:228:A:LEU:HD11	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,169)	1:228:A:LEU:HD12	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,169)	1:228:A:LEU:HD13	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,169)	1:228:A:LEU:HD21	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,169)	1:228:A:LEU:HD22	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,169)	1:228:A:LEU:HD23	1:225:A:GLN:HA	2	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,582)	1:228:A:LEU:HD11	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,582)	1:228:A:LEU:HD12	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,582)	1:228:A:LEU:HD13	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,582)	1:228:A:LEU:HD21	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,582)	1:228:A:LEU:HD22	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,582)	1:228:A:LEU:HD23	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD11	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD12	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD13	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD21	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD22	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,995)	1:228:A:LEU:HD23	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD11	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD12	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD13	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD21	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD22	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1408)	1:228:A:LEU:HD23	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD11	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD12	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD13	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD21	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD22	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,1821)	1:228:A:LEU:HD23	1:225:A:GLN:HA	2	0.21	0.01	0.21
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	2	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	2	0.2	0.06	0.2
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	2	0.2	0.06	0.2
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	2	0.2	0.1	0.2
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	2	0.2	0.1	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB2	2	0.18	0.02	0.18
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB3	2	0.18	0.02	0.18
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB2	2	0.18	0.02	0.18
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB3	2	0.18	0.02	0.18
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB2	2	0.18	0.02	0.18
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB3	2	0.18	0.02	0.18
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB2	2	0.18	0.02	0.18
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB3	2	0.18	0.02	0.18
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB2	2	0.18	0.02	0.18
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB3	2	0.18	0.02	0.18
(1,14)	1:184:A:LEU:HD21	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,14)	1:184:A:LEU:HD22	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,14)	1:184:A:LEU:HD23	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,427)	1:184:A:LEU:HD21	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,427)	1:184:A:LEU:HD22	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,427)	1:184:A:LEU:HD23	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,840)	1:184:A:LEU:HD21	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,840)	1:184:A:LEU:HD22	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,840)	1:184:A:LEU:HD23	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1253)	1:184:A:LEU:HD21	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1253)	1:184:A:LEU:HD22	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1253)	1:184:A:LEU:HD23	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1666)	1:184:A:LEU:HD21	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1666)	1:184:A:LEU:HD22	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,1666)	1:184:A:LEU:HD23	1:181:A:LYS:HA	2	0.16	0.03	0.16
(1,389)	1:310:A:LEU:H	1:307:A:ARG:HA	2	0.15	0.01	0.15
(1,802)	1:310:A:LEU:H	1:307:A:ARG:HA	2	0.15	0.01	0.15
(1,1215)	1:310:A:LEU:H	1:307:A:ARG:HA	2	0.15	0.01	0.15
(1,1628)	1:310:A:LEU:H	1:307:A:ARG:HA	2	0.15	0.01	0.15
(1,2041)	1:310:A:LEU:H	1:307:A:ARG:HA	2	0.15	0.01	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB2	2	0.15	0.0	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB3	2	0.15	0.0	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB2	2	0.15	0.0	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB3	2	0.15	0.0	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB2	2	0.15	0.0	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB3	2	0.15	0.0	0.15
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB2	2	0.15	0.0	0.15
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB3	2	0.15	0.0	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB2	2	0.15	0.0	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB3	2	0.15	0.0	0.15
(1,192)	1:234:A:TRP:H	1:233:A:THR:HB	2	0.15	0.02	0.15
(1,252)	1:243:A:GLU:H	1:243:A:GLU:HB2	2	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,605)	1:234:A:TRP:H	1:233:A:THR:HB	2	0.15	0.02	0.15
(1,665)	1:243:A:GLU:H	1:243:A:GLU:HB2	2	0.15	0.02	0.15
(1,1018)	1:234:A:TRP:H	1:233:A:THR:HB	2	0.15	0.02	0.15
(1,1078)	1:243:A:GLU:H	1:243:A:GLU:HB2	2	0.15	0.02	0.15
(1,1431)	1:234:A:TRP:H	1:233:A:THR:HB	2	0.15	0.02	0.15
(1,1491)	1:243:A:GLU:H	1:243:A:GLU:HB2	2	0.15	0.02	0.15
(1,1844)	1:234:A:TRP:H	1:233:A:THR:HB	2	0.15	0.02	0.15
(1,1904)	1:243:A:GLU:H	1:243:A:GLU:HB2	2	0.15	0.02	0.15
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB2	2	0.14	0.04	0.14
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB3	2	0.14	0.04	0.14
(1,248)	1:243:A:GLU:H	1:243:A:GLU:HG2	2	0.14	0.03	0.14
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB2	2	0.14	0.04	0.14
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB3	2	0.14	0.04	0.14
(1,661)	1:243:A:GLU:H	1:243:A:GLU:HG2	2	0.14	0.03	0.14
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB2	2	0.14	0.04	0.14
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB3	2	0.14	0.04	0.14
(1,1074)	1:243:A:GLU:H	1:243:A:GLU:HG2	2	0.14	0.03	0.14
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB2	2	0.14	0.04	0.14
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB3	2	0.14	0.04	0.14
(1,1487)	1:243:A:GLU:H	1:243:A:GLU:HG2	2	0.14	0.03	0.14
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB2	2	0.14	0.04	0.14
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB3	2	0.14	0.04	0.14
(1,1900)	1:243:A:GLU:H	1:243:A:GLU:HG2	2	0.14	0.03	0.14
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA2	2	0.13	0.02	0.13
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA3	2	0.13	0.02	0.13
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA2	2	0.13	0.02	0.13
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA3	2	0.13	0.02	0.13
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA2	2	0.13	0.02	0.13
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA3	2	0.13	0.02	0.13
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA2	2	0.13	0.02	0.13
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA3	2	0.13	0.02	0.13
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA2	2	0.13	0.02	0.13
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA3	2	0.13	0.02	0.13
(1,206)	1:238:A:SER:H	1:237:A:TYR:H	2	0.12	0.02	0.12
(1,619)	1:238:A:SER:H	1:237:A:TYR:H	2	0.12	0.02	0.12
(1,1032)	1:238:A:SER:H	1:237:A:TYR:H	2	0.12	0.02	0.12
(1,1445)	1:238:A:SER:H	1:237:A:TYR:H	2	0.12	0.02	0.12
(1,1858)	1:238:A:SER:H	1:237:A:TYR:H	2	0.12	0.02	0.12
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12	0.02	0.12
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12	0.02	0.12
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB2	2	0.12	0.0	0.12
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB3	2	0.12	0.0	0.12
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB2	2	0.12	0.0	0.12
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB3	2	0.12	0.0	0.12
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB2	2	0.12	0.0	0.12
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB3	2	0.12	0.0	0.12
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB2	2	0.12	0.0	0.12
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB3	2	0.12	0.0	0.12
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB2	2	0.12	0.0	0.12
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB3	2	0.12	0.0	0.12
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11

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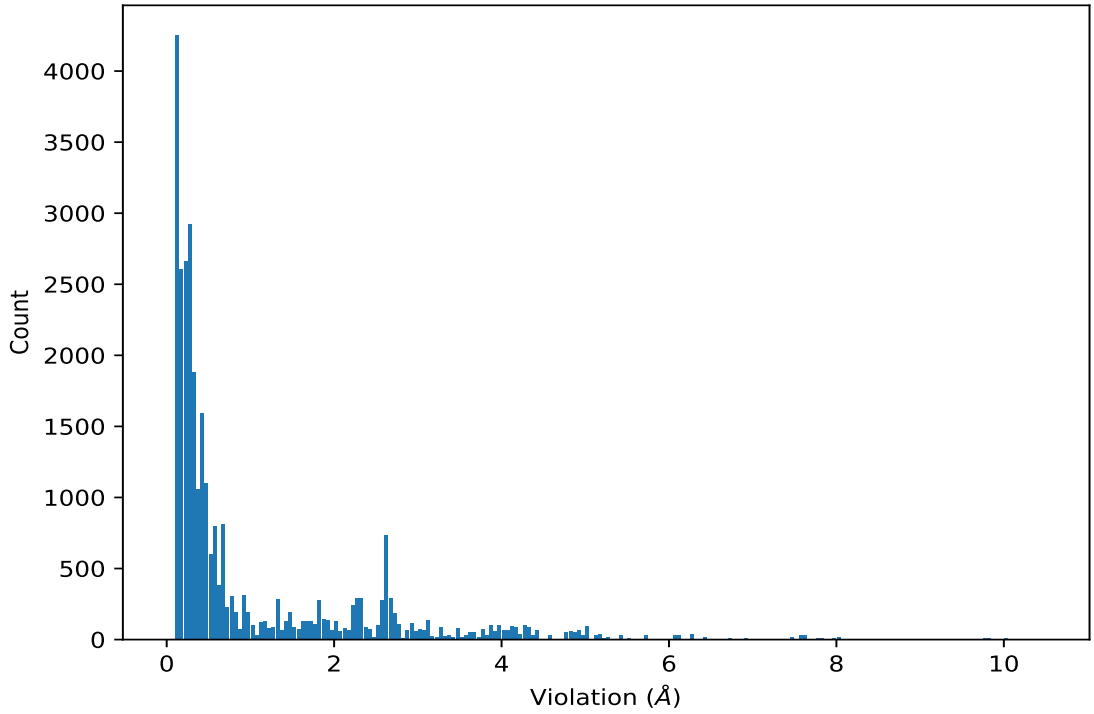
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB2	2	0.11	0.0	0.11
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB3	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All 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)
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	2	10.47
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	2	10.47
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	2	10.47
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	2	10.47
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	2	10.47
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	7	10.22
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	7	10.22
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	7	10.22
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	7	10.22
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	7	10.22
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	9	10.04
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	9	10.04
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	9	10.04
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	9	10.04
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	9	10.04
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	5	10.02
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	5	10.02
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	5	10.02
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	5	10.02
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	5	10.02
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	11	9.83
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	11	9.83
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	11	9.83
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	11	9.83
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	11	9.83
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	4	9.82
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	4	9.82
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	4	9.82
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	4	9.82
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	4	9.82
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	1	9.78
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	3	9.78
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	1	9.78
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	3	9.78
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	1	9.78
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	3	9.78
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	1	9.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	3	9.78
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	1	9.78
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	3	9.78
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	8	9.73
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	8	9.73
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	8	9.73
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	8	9.73
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	8	9.73
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	10	9.65
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	10	9.65
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	10	9.65
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	10	9.65
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	10	9.65
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	12	9.62
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	12	9.62
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	12	9.62
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	12	9.62
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	12	9.62
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	14	9.54
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	14	9.54
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	14	9.54
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	14	9.54
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	14	9.54
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	6	9.47
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	6	9.47
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	6	9.47
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	6	9.47
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	6	9.47
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.42
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.42
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.42
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.42
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	15	9.42
(1,2220)	1:235:A:TRP:HE1	1:237:A:TYR:HH	13	9.38
(1,2219)	1:235:A:TRP:HE1	1:237:A:TYR:HH	13	9.38
(1,2218)	1:235:A:TRP:HE1	1:237:A:TYR:HH	13	9.38
(1,2217)	1:235:A:TRP:HE1	1:237:A:TYR:HH	13	9.38
(1,2216)	1:235:A:TRP:HE1	1:237:A:TYR:HH	13	9.38
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	4	8.03
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	4	8.03
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	7	8.03
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	7	8.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	4	8.03
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	4	8.03
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	7	8.03
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	7	8.03
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	4	8.03
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	4	8.03
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	7	8.03
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	7	8.03
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	4	8.03
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	4	8.03
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	7	8.03
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	7	8.03
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	4	8.03
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	4	8.03
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	7	8.03
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	7	8.03
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	3	7.99
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	3	7.99
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	3	7.99
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	3	7.99
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	3	7.99
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	3	7.99
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	3	7.99
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	3	7.99
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	3	7.99
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	3	7.99
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	14	7.81
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	14	7.81
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	14	7.81
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	14	7.81
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	14	7.81
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	14	7.81
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	14	7.81
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	14	7.81
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	14	7.81
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	14	7.81
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	6	7.79
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	6	7.79
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	6	7.79
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	6	7.79
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	6	7.79
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	6	7.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	6	7.79
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	6	7.79
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	6	7.79
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	6	7.79
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	8	7.64
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	8	7.64
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	8	7.64
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	8	7.64
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	8	7.64
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	8	7.64
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	8	7.64
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	8	7.64
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	8	7.64
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	8	7.64
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	5	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	5	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	11	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	11	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	5	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	5	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	11	7.63
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	11	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	5	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	5	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	11	7.63
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	11	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	5	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	5	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	11	7.63
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	11	7.63
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	5	7.63
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	5	7.63
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	11	7.63
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	11	7.63
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	12	7.59
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	12	7.59
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	12	7.59
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	12	7.59
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	12	7.59
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	12	7.59
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	12	7.59
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	12	7.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	12	7.59
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	12	7.59
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	13	7.57
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	13	7.57
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	13	7.57
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	13	7.57
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	13	7.57
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	13	7.57
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	13	7.57
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	13	7.57
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	13	7.57
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	13	7.57
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	2	7.56
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	2	7.56
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	2	7.56
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	2	7.56
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	2	7.56
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	2	7.56
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	2	7.56
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	2	7.56
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	2	7.56
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	2	7.56
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.49
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.49
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.49
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.49
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.49
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.49
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.49
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.49
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	15	7.49
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	15	7.49
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	1	7.45
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	1	7.45
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	1	7.45
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	1	7.45
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	1	7.45
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	1	7.45
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	1	7.45
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	1	7.45
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	1	7.45
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	1	7.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	10	6.94
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	10	6.94
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	10	6.94
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	10	6.94
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	10	6.94
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	10	6.94
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	10	6.94
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	10	6.94
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	10	6.94
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	10	6.94
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD21	9	6.72
(1,2215)	1:185:A:GLN:H	1:308:A:ASN:HD22	9	6.72
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD21	9	6.72
(1,2214)	1:185:A:GLN:H	1:308:A:ASN:HD22	9	6.72
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD21	9	6.72
(1,2213)	1:185:A:GLN:H	1:308:A:ASN:HD22	9	6.72
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD21	9	6.72
(1,2212)	1:185:A:GLN:H	1:308:A:ASN:HD22	9	6.72
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD21	9	6.72
(1,2211)	1:185:A:GLN:H	1:308:A:ASN:HD22	9	6.72
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	9	6.51
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	9	6.51
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	9	6.51
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	9	6.51
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	9	6.51
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	1	6.44
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	1	6.44
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	1	6.44
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	1	6.44
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	1	6.44
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	7	6.41
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	15	6.41
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	7	6.41
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	15	6.41
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	7	6.41
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	15	6.41
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	7	6.41
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	15	6.41
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	7	6.41
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	15	6.41
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	6	6.32
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	6	6.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	6	6.32
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	6	6.32
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	6	6.32
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	3	6.3
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	3	6.3
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	3	6.3
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	3	6.3
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	3	6.3
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	12	6.28
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	12	6.28
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	12	6.28
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	12	6.28
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	12	6.28
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	12	6.28
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	12	6.28
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	12	6.28
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	12	6.28
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	12	6.28
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	12	6.28
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	12	6.28
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	12	6.28
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	12	6.28
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	12	6.28
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	12	6.28
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	12	6.28
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	12	6.28
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	12	6.28
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	12	6.28
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	12	6.28
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	12	6.28
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	12	6.28
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	12	6.28
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	12	6.28
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	12	6.28
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	12	6.28
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	12	6.28
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	12	6.28
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	12	6.28
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	8	6.27
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	8	6.27
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	8	6.27
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	8	6.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	8	6.27
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	14	6.24
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	14	6.24
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	14	6.24
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	14	6.24
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	14	6.24
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	10	6.13
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	10	6.13
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	10	6.13
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	10	6.13
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	10	6.13
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	10	6.13
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	10	6.13
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	10	6.13
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	10	6.13
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	10	6.13
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	10	6.13
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	10	6.13
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	10	6.13
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	10	6.13
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	10	6.13
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	10	6.13
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	10	6.13
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	10	6.13
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	10	6.13
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	10	6.13
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	10	6.13
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	10	6.13
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	10	6.13
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	10	6.13
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	10	6.13
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	10	6.13
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	10	6.13
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	10	6.13
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	10	6.13
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	10	6.13
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	9	6.09
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	9	6.09
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	9	6.09
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	9	6.09
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	9	6.09
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	9	6.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	9	6.09
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	9	6.09
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	9	6.09
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	9	6.09
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	9	6.09
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	9	6.09
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	9	6.09
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	9	6.09
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	9	6.09
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	9	6.09
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	9	6.09
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	9	6.09
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	9	6.09
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	9	6.09
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	9	6.09
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	9	6.09
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	9	6.09
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	9	6.09
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	9	6.09
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	9	6.09
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	9	6.09
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	9	6.09
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	9	6.09
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	9	6.09
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	8	6.06
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	8	6.06
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	8	6.06
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	8	6.06
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	8	6.06
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	12	6.02
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	12	6.02
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	12	6.02
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	12	6.02
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	12	6.02
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	14	5.73
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	14	5.73
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	14	5.73
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	14	5.73
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	14	5.73
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	14	5.73
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	14	5.73
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	14	5.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	14	5.73
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	14	5.73
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	14	5.73
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	14	5.73
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	14	5.73
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	14	5.73
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	14	5.73
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	14	5.73
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	14	5.73
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	14	5.73
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	14	5.73
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	14	5.73
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	14	5.73
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	14	5.73
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	14	5.73
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	14	5.73
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	14	5.73
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	14	5.73
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	14	5.73
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	14	5.73
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	14	5.73
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	14	5.73
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	7	5.73
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	7	5.73
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	7	5.73
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	7	5.73
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	7	5.73
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	3	5.66
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	3	5.66
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	3	5.66
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	3	5.66
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	3	5.66
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.57
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.57
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.57
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.57
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	15	5.57
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	4	5.55
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	4	5.55
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	4	5.55
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	4	5.55
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	4	5.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	13	5.53
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	13	5.53
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	13	5.53
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	13	5.53
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	13	5.53
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	11	5.44
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	11	5.44
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	11	5.44
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	11	5.44
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	11	5.44
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	11	5.44
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	11	5.44
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	11	5.44
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	11	5.44
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	11	5.44
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	11	5.44
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	11	5.44
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	11	5.44
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	11	5.44
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	11	5.44
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	11	5.44
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	11	5.44
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	11	5.44
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	11	5.44
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	11	5.44
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	11	5.44
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	11	5.44
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	11	5.44
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	11	5.44
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	11	5.44
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	11	5.44
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	11	5.44
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	11	5.44
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	11	5.44
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	11	5.44
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	11	5.33
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	11	5.33
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	11	5.33
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	11	5.33
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	11	5.33
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	10	5.28
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	10	5.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	10	5.28
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	10	5.28
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	10	5.28
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	5	5.27
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	5	5.27
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	5	5.27
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	5	5.27
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	5	5.27
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	2	5.26
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	2	5.26
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	2	5.26
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	2	5.26
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	2	5.26
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	6	5.23
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	6	5.23
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	6	5.23
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	6	5.23
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	6	5.23
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	4	5.2
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	4	5.2
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	4	5.2
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	4	5.2
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	4	5.2
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	5	5.19
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	5	5.19
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	5	5.19
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	5	5.19
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	5	5.19
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	9	5.16
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	9	5.16
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	9	5.16
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	9	5.16
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	9	5.16
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	9	5.15
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	9	5.15
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	9	5.15
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	9	5.15
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	9	5.15
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	9	5.15
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	9	5.15
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	9	5.15
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	9	5.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	9	5.15
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	9	5.15
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	9	5.15
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	9	5.15
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	9	5.15
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	9	5.15
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	9	5.15
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	9	5.15
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	9	5.15
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	9	5.15
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	9	5.15
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	9	5.15
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	9	5.15
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	9	5.15
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	9	5.15
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	9	5.15
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	9	5.15
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	9	5.15
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	9	5.15
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	9	5.15
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	9	5.15
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	3	5.12
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	3	5.12
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	3	5.12
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	3	5.12
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	3	5.12
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	3	5.12
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	3	5.12
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	3	5.12
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	3	5.12
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	3	5.12
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	3	5.12
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	3	5.12
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	3	5.12
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	3	5.12
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	3	5.12
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	3	5.12
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	3	5.12
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	3	5.12
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	3	5.12
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	3	5.12
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	3	5.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	3	5.12
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	3	5.12
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	3	5.12
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	3	5.12
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	3	5.12
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	3	5.12
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	3	5.12
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	3	5.12
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	3	5.12
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	1	5.11
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	1	5.11
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	1	5.11
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	1	5.11
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	1	5.11
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	13	5.05
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	13	5.05
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	13	5.05
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	13	5.05
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	13	5.05
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	14	5.02
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	14	5.02
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	14	5.02
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	14	5.02
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	14	5.02
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	14	5.02
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	14	5.02
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	14	5.02
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	14	5.02
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	14	5.02
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	14	5.02
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	14	5.02
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	14	5.02
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	14	5.02
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	14	5.02
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	14	5.02
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	14	5.02
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	14	5.02
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	14	5.02
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	14	5.02
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	14	5.02
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	14	5.02
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	14	5.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	14	5.02
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	14	5.02
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	14	5.02
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	14	5.02
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	14	5.02
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	14	5.02
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	14	5.02
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	13	5.01
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	13	5.01
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	13	5.01
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	13	5.01
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	13	5.01
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	13	5.01
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	13	5.01
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	13	5.01
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	13	5.01
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	13	5.01
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	13	5.01
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	13	5.01
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	13	5.01
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	13	5.01
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	13	5.01
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	13	5.01
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	13	5.01
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	13	5.01
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	13	5.01
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	13	5.01
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	13	5.01
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	13	5.01
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	13	5.01
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	13	5.01
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	13	5.01
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	13	5.01
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	13	5.01
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	13	5.01
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	13	5.01
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	13	5.01
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	1	5.01
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	1	5.01
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	1	5.01
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	1	5.01
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	1	5.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	1	5.01
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	1	5.01
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	1	5.01
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	1	5.01
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	1	5.01
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	1	5.01
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	1	5.01
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	1	5.01
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	1	5.01
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	1	5.01
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	1	5.01
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	1	5.01
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	1	5.01
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	1	5.01
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	1	5.01
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	1	5.01
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	1	5.01
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	1	5.01
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	1	5.01
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	1	5.01
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	1	5.01
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	1	5.01
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	1	5.01
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	1	5.01
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	1	5.01
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	3	4.97
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	3	4.97
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	3	4.97
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	3	4.97
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	3	4.97
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	3	4.97
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	3	4.97
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	3	4.97
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	3	4.97
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	3	4.97
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	3	4.97
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	3	4.97
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	3	4.97
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	3	4.97
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	3	4.97
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	3	4.97
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	3	4.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	3	4.97
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	3	4.97
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	3	4.97
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	3	4.97
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	3	4.97
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	3	4.97
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	3	4.97
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	3	4.97
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	3	4.97
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	3	4.97
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	3	4.97
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	3	4.97
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	3	4.97
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	10	4.95
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	10	4.95
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	10	4.95
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	10	4.95
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	10	4.95
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	12	4.94
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	12	4.94
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	12	4.94
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	12	4.94
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	12	4.94
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	6	4.93
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	6	4.93
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	6	4.93
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	6	4.93
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	6	4.93
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	6	4.93
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	6	4.93
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	6	4.93
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	6	4.93
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	6	4.93
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	6	4.93
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	6	4.93
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	6	4.93
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	6	4.93
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	6	4.93
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	6	4.93
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	6	4.93
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	6	4.93
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	6	4.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	6	4.93
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	6	4.93
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	6	4.93
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	6	4.93
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	6	4.93
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	6	4.93
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	6	4.93
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	6	4.93
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	6	4.93
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	6	4.93
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	6	4.93
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.9
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.9
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.9
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.9
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.9
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.9
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.9
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.9
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.9
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.9
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.9
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.9
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.9
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.9
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.9
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.9
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.9
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.9
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.9
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.9
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.9
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.9
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.9
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.9
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	15	4.9
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	15	4.9
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	15	4.9
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	15	4.9
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	15	4.9
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	15	4.9
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	3	4.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	3	4.87
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	3	4.87
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	3	4.87
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	3	4.87
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	3	4.87
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	3	4.87
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	3	4.87
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	3	4.87
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	3	4.87
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	3	4.87
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	3	4.87
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	3	4.87
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	3	4.87
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	3	4.87
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	2	4.87
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	2	4.87
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	2	4.87
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	2	4.87
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	2	4.87
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	6	4.86
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	6	4.86
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	6	4.86
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	6	4.86
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	6	4.86
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	6	4.86
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	6	4.86
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	6	4.86
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	6	4.86
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	6	4.86
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	6	4.86
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	6	4.86
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	6	4.86
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	6	4.86
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	6	4.86
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	6	4.86
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	6	4.86
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	6	4.86
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	6	4.86
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	6	4.86
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	6	4.86
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	6	4.86
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	6	4.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	6	4.86
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	6	4.86
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	6	4.86
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	6	4.86
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	6	4.86
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	6	4.86
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	6	4.86
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	7	4.85
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	7	4.85
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	7	4.85
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	7	4.85
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	7	4.85
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	7	4.85
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	7	4.85
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	7	4.85
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	7	4.85
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	7	4.85
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	7	4.85
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	7	4.85
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	7	4.85
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	7	4.85
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	7	4.85
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	7	4.85
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	7	4.85
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	7	4.85
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	7	4.85
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	7	4.85
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	7	4.85
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	7	4.85
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	7	4.85
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	7	4.85
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	7	4.85
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	7	4.85
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	7	4.85
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	7	4.85
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	7	4.85
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	7	4.85
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	8	4.81
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	8	4.81
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	8	4.81
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	8	4.81
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	8	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	8	4.81
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	8	4.81
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	8	4.81
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	8	4.81
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	8	4.81
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	8	4.81
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	8	4.81
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	8	4.81
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	8	4.81
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	8	4.81
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	8	4.81
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	8	4.81
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	8	4.81
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	8	4.81
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	8	4.81
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	8	4.81
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	8	4.81
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	8	4.81
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	8	4.81
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	8	4.81
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	8	4.81
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	8	4.81
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	8	4.81
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	8	4.81
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	8	4.81
(1,2225)	1:237:A:TYR:H	1:235:A:TRP:HH2	14	4.8
(1,2224)	1:237:A:TYR:H	1:235:A:TRP:HH2	14	4.8
(1,2223)	1:237:A:TYR:H	1:235:A:TRP:HH2	14	4.8
(1,2222)	1:237:A:TYR:H	1:235:A:TRP:HH2	14	4.8
(1,2221)	1:237:A:TYR:H	1:235:A:TRP:HH2	14	4.8
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	2	4.75
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	2	4.75
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	2	4.75
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	2	4.75
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	2	4.75
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	2	4.75
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	2	4.75
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	2	4.75
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	2	4.75
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	2	4.75
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	2	4.75
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	2	4.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	2	4.75
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	2	4.75
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	2	4.75
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	2	4.75
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	2	4.75
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	2	4.75
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	2	4.75
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	2	4.75
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	2	4.75
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	2	4.75
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	2	4.75
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	2	4.75
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	2	4.75
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	2	4.75
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	2	4.75
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	2	4.75
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	2	4.75
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	2	4.75
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	5	4.75
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	5	4.75
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	5	4.75
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	5	4.75
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	5	4.75
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	5	4.75
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	5	4.75
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	5	4.75
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	5	4.75
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	5	4.75
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	5	4.75
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	5	4.75
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	5	4.75
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	5	4.75
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	5	4.75
(1,2285)	1:246:A:THR:H	1:248:A:PHE:HZ	11	4.58
(1,2284)	1:246:A:THR:H	1:248:A:PHE:HZ	11	4.58
(1,2283)	1:246:A:THR:H	1:248:A:PHE:HZ	11	4.58
(1,2282)	1:246:A:THR:H	1:248:A:PHE:HZ	11	4.58
(1,2281)	1:246:A:THR:H	1:248:A:PHE:HZ	11	4.58
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	4.55
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	4.55
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	4.55
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	4.55
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	4.55
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	4.55
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	4.55
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	4.55
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	4.55
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	4.55
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	4.55
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	4.55
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	4.55
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	4.55
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	4.55
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	4.55
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	4.55
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	4.55
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	4.55
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	4.55
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	4.55
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	4.55
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	4.55
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	15	4.55
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	15	4.55
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	15	4.55
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	15	4.55
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	15	4.55
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	15	4.55
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	2	4.43
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	2	4.43
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	2	4.43
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	2	4.43
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	2	4.43
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	2	4.43
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	2	4.43
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	2	4.43
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	2	4.43
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	2	4.43
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	12	4.41
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	12	4.41
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	12	4.41
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	12	4.41
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	12	4.41
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	12	4.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	12	4.41
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	12	4.41
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	12	4.41
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	12	4.41
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	12	4.41
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	12	4.41
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	12	4.41
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	12	4.41
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	12	4.41
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	12	4.41
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	12	4.41
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	12	4.41
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	12	4.41
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	12	4.41
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	12	4.41
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	12	4.41
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	12	4.41
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	12	4.41
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	12	4.41
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	12	4.41
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	12	4.41
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	12	4.41
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	12	4.41
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	12	4.41
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	1	4.4
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	1	4.4
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	1	4.4
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	1	4.4
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	1	4.4
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	1	4.4
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	1	4.4
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	1	4.4
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	1	4.4
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	1	4.4
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	1	4.4
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	1	4.4
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	1	4.4
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	1	4.4
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	1	4.4
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	1	4.4
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	1	4.4
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	1	4.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	1	4.4
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	1	4.4
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	1	4.4
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	1	4.4
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	1	4.4
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	1	4.4
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	1	4.4
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	1	4.4
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	1	4.4
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	1	4.4
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	1	4.4
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	1	4.4
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	4	4.36
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	4	4.36
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	4	4.36
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	4	4.36
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	4	4.36
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	4	4.36
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	4	4.36
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	4	4.36
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	4	4.36
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	4	4.36
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	4	4.36
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	4	4.36
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	4	4.36
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	4	4.36
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	4	4.36
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	4	4.36
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	4	4.36
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	4	4.36
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	4	4.36
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	4	4.36
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	4	4.36
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	4	4.36
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	4	4.36
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	4	4.36
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	4	4.36
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	4	4.36
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	4	4.36
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	4	4.36
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	4	4.36
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	4	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	4	4.35
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	4	4.35
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	4	4.35
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	4	4.35
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	4	4.35
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	4	4.35
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	4	4.35
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	4	4.35
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	4	4.35
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	4	4.35
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	4	4.35
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	4	4.35
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	4	4.35
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	4	4.35
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	4	4.35
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	3	4.34
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	3	4.34
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	3	4.34
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	3	4.34
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	3	4.34
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	3	4.34
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	3	4.34
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	3	4.34
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	3	4.34
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	3	4.34
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	3	4.34
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	3	4.34
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	3	4.34
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	3	4.34
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	3	4.34
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	3	4.34
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	3	4.34
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	3	4.34
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	3	4.34
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	3	4.34
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	3	4.34
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	3	4.34
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	3	4.34
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	3	4.34
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	3	4.34
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	3	4.34
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	3	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	3	4.34
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	3	4.34
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	3	4.34
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	9	4.33
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	9	4.33
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	9	4.33
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	9	4.33
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	9	4.33
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	9	4.33
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	9	4.33
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	9	4.33
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	9	4.33
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	9	4.33
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	9	4.33
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	9	4.33
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	9	4.33
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	9	4.33
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	9	4.33
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	8	4.32
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	8	4.32
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	8	4.32
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	8	4.32
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	8	4.32
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	8	4.32
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	8	4.32
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	8	4.32
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	8	4.32
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	8	4.32
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	11	4.31
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	11	4.31
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	11	4.31
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	11	4.31
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	11	4.31
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	11	4.31
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	11	4.31
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	11	4.31
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	11	4.31
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	11	4.31
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	11	4.31
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	11	4.31
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	11	4.31
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	11	4.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	11	4.31
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	4	4.29
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	4	4.29
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	4	4.29
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	4	4.29
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	4	4.29
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	4	4.29
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	4	4.29
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	4	4.29
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	4	4.29
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	4	4.29
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	4	4.29
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	4	4.29
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	4	4.29
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	4	4.29
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	4	4.29
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	4	4.29
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	4	4.29
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	4	4.29
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	4	4.29
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	4	4.29
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	4	4.29
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	4	4.29
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	4	4.29
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	4	4.29
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	4	4.29
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	4	4.29
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	4	4.29
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	4	4.29
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	4	4.29
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	4	4.29
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	1	4.29
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	1	4.29
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	1	4.29
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	1	4.29
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	1	4.29
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	1	4.29
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	1	4.29
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	1	4.29
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	1	4.29
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	1	4.29
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	1	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	1	4.29
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	1	4.29
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	1	4.29
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	1	4.29
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	14	4.27
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	14	4.27
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	14	4.27
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	14	4.27
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	14	4.27
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	14	4.27
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	14	4.27
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	14	4.27
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	14	4.27
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	14	4.27
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	14	4.27
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	14	4.27
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	14	4.27
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	14	4.27
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	14	4.27
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	14	4.27
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	14	4.27
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	14	4.27
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	14	4.27
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	14	4.27
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	14	4.27
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	14	4.27
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	14	4.27
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	14	4.27
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	14	4.27
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	14	4.27
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	14	4.27
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	14	4.27
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	14	4.27
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	14	4.27
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	5	4.26
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	5	4.26
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	5	4.26
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	5	4.26
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	5	4.26
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	5	4.26
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	5	4.26
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	5	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	5	4.26
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	5	4.26
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	5	4.26
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	5	4.26
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	5	4.26
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	5	4.26
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	5	4.26
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	5	4.26
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	5	4.26
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	5	4.26
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	5	4.26
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	5	4.26
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	5	4.26
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	5	4.26
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	5	4.26
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	5	4.26
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	5	4.26
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	5	4.26
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	5	4.26
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	5	4.26
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	5	4.26
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	5	4.26
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	12	4.22
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	12	4.22
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	12	4.22
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	12	4.22
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	12	4.22
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	12	4.22
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	12	4.22
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	12	4.22
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	12	4.22
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	12	4.22
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	12	4.22
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	12	4.22
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	12	4.22
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	12	4.22
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	12	4.22
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	12	4.22
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	12	4.22
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	12	4.22
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	12	4.22
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	12	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	12	4.22
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	12	4.22
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	12	4.22
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	12	4.22
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	12	4.22
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	12	4.22
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	12	4.22
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	12	4.22
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	12	4.22
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	12	4.22
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	3	4.2
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	3	4.2
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	3	4.2
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	3	4.2
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	3	4.2
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	3	4.2
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	3	4.2
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	3	4.2
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	3	4.2
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	3	4.2
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	13	4.19
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	13	4.19
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	13	4.19
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	13	4.19
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	13	4.19
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	13	4.19
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	13	4.19
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	13	4.19
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	13	4.19
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	13	4.19
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	13	4.19
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	13	4.19
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	13	4.19
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	13	4.19
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	13	4.19
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	13	4.19
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	13	4.19
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	13	4.19
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	13	4.19
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	13	4.19
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	13	4.19
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	13	4.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	13	4.19
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	13	4.19
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	13	4.19
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	13	4.19
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	13	4.19
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	13	4.19
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	13	4.19
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	13	4.19
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	4	4.18
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	4	4.18
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	4	4.18
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	4	4.18
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	4	4.18
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	4	4.18
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	4	4.18
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	4	4.18
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	4	4.18
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	4	4.18
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	4	4.18
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	4	4.18
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	4	4.18
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	4	4.18
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	4	4.18
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	4	4.18
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	4	4.18
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	4	4.18
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	4	4.18
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	4	4.18
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	4	4.18
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	4	4.18
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	4	4.18
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	4	4.18
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	4	4.18
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	4	4.18
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	4	4.18
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	4	4.18
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	4	4.18
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	4	4.18
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	9	4.17
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	9	4.17
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	9	4.17
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	9	4.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	9	4.17
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	9	4.17
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	9	4.17
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	9	4.17
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	9	4.17
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	9	4.17
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	9	4.17
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	9	4.17
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	9	4.17
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	9	4.17
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	9	4.17
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	9	4.17
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	9	4.17
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	9	4.17
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	9	4.17
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	9	4.17
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	9	4.17
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	9	4.17
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	9	4.17
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	9	4.17
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	9	4.17
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	9	4.17
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	9	4.17
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	9	4.17
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	9	4.17
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	9	4.17
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	1	4.14
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	1	4.14
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	1	4.14
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	1	4.14
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	1	4.14
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	1	4.14
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	1	4.14
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	1	4.14
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	1	4.14
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	1	4.14
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	8	4.13
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	8	4.13
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	8	4.13
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	8	4.13
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	8	4.13
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	8	4.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	8	4.13
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	8	4.13
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	8	4.13
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	8	4.13
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	8	4.13
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	8	4.13
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	8	4.13
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	8	4.13
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	8	4.13
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	8	4.13
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	8	4.13
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	8	4.13
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	8	4.13
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	8	4.13
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	8	4.13
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	8	4.13
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	8	4.13
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	8	4.13
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	8	4.13
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	8	4.13
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	8	4.13
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	8	4.13
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	8	4.13
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	8	4.13
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	7	4.13
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	7	4.13
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	7	4.13
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	7	4.13
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	7	4.13
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	7	4.13
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	7	4.13
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	7	4.13
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	7	4.13
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	7	4.13
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	7	4.13
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	7	4.13
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	7	4.13
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	7	4.13
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	7	4.13
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	11	4.12
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	11	4.12
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	11	4.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	11	4.12
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	11	4.12
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	11	4.12
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	11	4.12
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	11	4.12
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	11	4.12
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	11	4.12
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	5	4.12
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	5	4.12
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	5	4.12
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	5	4.12
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	5	4.12
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	5	4.12
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	5	4.12
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	5	4.12
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	5	4.12
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	5	4.12
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	5	4.12
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	5	4.12
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	5	4.12
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	5	4.12
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	5	4.12
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	5	4.12
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	5	4.12
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	5	4.12
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	5	4.12
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	5	4.12
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	5	4.12
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	5	4.12
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	5	4.12
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	5	4.12
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	5	4.12
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	5	4.12
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	5	4.12
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	5	4.12
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	5	4.12
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	5	4.12
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	6	4.1
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	6	4.1
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	6	4.1
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	6	4.1
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	6	4.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	6	4.1
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	6	4.1
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	6	4.1
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	6	4.1
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	6	4.1
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	7	4.09
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	7	4.09
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	7	4.09
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	7	4.09
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	7	4.09
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	7	4.09
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	7	4.09
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	7	4.09
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	7	4.09
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	7	4.09
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	7	4.09
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	7	4.09
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	7	4.09
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	7	4.09
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	7	4.09
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	7	4.09
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	7	4.09
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	7	4.09
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	7	4.09
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	7	4.09
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	7	4.09
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	7	4.09
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	7	4.09
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	7	4.09
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	7	4.09
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	7	4.09
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	7	4.09
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	7	4.09
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	7	4.09
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	7	4.09
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	12	4.08
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	12	4.08
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	12	4.08
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	12	4.08
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	12	4.08
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	12	4.08
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	12	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	12	4.08
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	12	4.08
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	12	4.08
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	4	4.07
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	4	4.07
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	4	4.07
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	4	4.07
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	4	4.07
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	4	4.07
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	4	4.07
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	4	4.07
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	4	4.07
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	4	4.07
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	10	4.05
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	10	4.05
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	10	4.05
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	10	4.05
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	10	4.05
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	10	4.05
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	10	4.05
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	10	4.05
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	10	4.05
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	10	4.05
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	8	4.04
(1,2350)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	8	4.04
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	8	4.04
(1,2350)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	8	4.04
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	8	4.04
(1,2350)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	8	4.04
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	8	4.04
(1,2349)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	8	4.04
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	8	4.04
(1,2349)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	8	4.04
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	8	4.04
(1,2349)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	8	4.04
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	8	4.04
(1,2348)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	8	4.04
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	8	4.04
(1,2348)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	8	4.04
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	8	4.04
(1,2348)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	8	4.04
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	8	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	8	4.04
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	8	4.04
(1,2347)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	8	4.04
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	8	4.04
(1,2347)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	8	4.04
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE2	8	4.04
(1,2346)	1:293:A:ILE:HG21	1:295:A:LYS:HE3	8	4.04
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE2	8	4.04
(1,2346)	1:293:A:ILE:HG22	1:295:A:LYS:HE3	8	4.04
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE2	8	4.04
(1,2346)	1:293:A:ILE:HG23	1:295:A:LYS:HE3	8	4.04
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	9	4.02
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	9	4.02
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	9	4.02
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	9	4.02
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	9	4.02
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	9	4.02
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	9	4.02
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	9	4.02
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	9	4.02
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	9	4.02
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	12	4.02
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	12	4.02
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	12	4.02
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	12	4.02
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	12	4.02
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	12	4.02
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	12	4.02
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	12	4.02
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	12	4.02
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	12	4.02
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	12	4.02
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	12	4.02
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	12	4.02
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	12	4.02
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	12	4.02
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	13	4.01
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	13	4.01
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	13	4.01
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	13	4.01
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	13	4.01
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	13	4.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	13	4.01
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	13	4.01
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	13	4.01
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	13	4.01
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	8	3.98
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	8	3.98
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	8	3.98
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	8	3.98
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	8	3.98
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	8	3.98
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	8	3.98
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	8	3.98
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	8	3.98
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	8	3.98
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	8	3.98
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	8	3.98
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	8	3.98
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	8	3.98
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	8	3.98
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	8	3.98
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	8	3.98
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	8	3.98
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	8	3.98
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	8	3.98
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	8	3.98
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	8	3.98
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	8	3.98
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	8	3.98
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	8	3.98
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	8	3.98
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	8	3.98
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	8	3.98
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	8	3.98
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	8	3.98
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	6	3.97
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	6	3.97
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	6	3.97
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	6	3.97
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	6	3.97
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	6	3.97
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	6	3.97
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	6	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	6	3.97
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	6	3.97
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	6	3.97
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	6	3.97
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	6	3.97
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	6	3.97
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	6	3.97
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	6	3.97
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	6	3.97
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	6	3.97
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	6	3.97
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	6	3.97
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	6	3.97
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	6	3.97
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	6	3.97
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	6	3.97
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	6	3.97
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	6	3.97
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	6	3.97
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	6	3.97
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	6	3.97
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	6	3.97
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	2	3.97
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	2	3.97
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	2	3.97
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	2	3.97
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	2	3.97
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	2	3.97
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	2	3.97
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	2	3.97
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	2	3.97
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	2	3.97
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	2	3.97
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	2	3.97
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	2	3.97
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	2	3.97
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	2	3.97
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	2	3.97
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	2	3.97
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	2	3.97
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	2	3.97
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	2	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	2	3.97
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	2	3.97
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	2	3.97
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	2	3.97
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	2	3.97
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	2	3.97
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	2	3.97
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	2	3.97
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	2	3.97
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	2	3.97
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	10	3.95
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	10	3.95
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	10	3.95
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	10	3.95
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	10	3.95
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	10	3.95
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	10	3.95
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	10	3.95
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	10	3.95
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	10	3.95
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	5	3.94
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	5	3.94
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	7	3.94
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	7	3.94
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	14	3.94
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	14	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	5	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	5	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	7	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	7	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	14	3.94
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	14	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	5	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	5	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	7	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	7	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	14	3.94
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	14	3.94
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	5	3.94
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	5	3.94
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	7	3.94
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	7	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	14	3.94
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	14	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	5	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	5	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	7	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	7	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	14	3.94
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	14	3.94
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	4	3.93
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	4	3.93
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	11	3.93
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	11	3.93
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	4	3.93
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	4	3.93
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	11	3.93
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	11	3.93
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	4	3.93
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	4	3.93
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	11	3.93
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	11	3.93
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	4	3.93
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	4	3.93
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	11	3.93
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	11	3.93
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	4	3.93
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	4	3.93
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	11	3.93
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	11	3.93
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	8	3.92
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	8	3.92
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	8	3.92
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	8	3.92
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	8	3.92
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	8	3.92
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	8	3.92
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	8	3.92
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	8	3.92
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	8	3.92
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	8	3.89
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	8	3.89
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	8	3.89
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	8	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	8	3.89
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	8	3.89
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	8	3.89
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	8	3.89
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	8	3.89
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	8	3.89
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	13	3.88
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	13	3.88
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	13	3.88
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	13	3.88
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	13	3.88
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	13	3.88
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	13	3.88
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	13	3.88
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	13	3.88
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	13	3.88
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	13	3.88
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	13	3.88
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	13	3.88
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	13	3.88
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	13	3.88
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	13	3.88
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	13	3.88
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	13	3.88
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	13	3.88
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	13	3.88
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	13	3.88
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	13	3.88
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	13	3.88
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	13	3.88
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	13	3.88
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	13	3.88
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	13	3.88
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	13	3.88
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	13	3.88
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	13	3.88
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	6	3.86
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	6	3.86
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	6	3.86
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	6	3.86
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	6	3.86
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	6	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	6	3.86
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	6	3.86
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	6	3.86
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	6	3.86
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	11	3.86
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	11	3.86
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	11	3.86
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	11	3.86
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	11	3.86
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	11	3.86
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	11	3.86
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	11	3.86
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	11	3.86
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	11	3.86
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	10	3.86
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	10	3.86
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	10	3.86
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	10	3.86
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	10	3.86
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	10	3.86
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	10	3.86
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	10	3.86
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	10	3.86
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	10	3.86
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	10	3.86
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	10	3.86
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	10	3.86
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	10	3.86
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	10	3.86
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	10	3.86
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	10	3.86
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	10	3.86
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	10	3.86
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	10	3.86
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	10	3.86
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	10	3.86
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	10	3.86
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	10	3.86
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	10	3.86
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	10	3.86
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	10	3.86
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	10	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	10	3.86
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	10	3.86
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	7	3.85
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	7	3.85
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	7	3.85
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	7	3.85
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	7	3.85
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	7	3.85
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	7	3.85
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	7	3.85
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	7	3.85
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	7	3.85
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.84
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.84
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.84
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.84
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.84
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.84
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.84
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.84
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	15	3.84
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	15	3.84
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	12	3.83
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	12	3.83
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	12	3.83
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	12	3.83
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	12	3.83
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	12	3.83
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	12	3.83
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	12	3.83
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	12	3.83
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	12	3.83
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	1	3.81
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	1	3.81
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	1	3.81
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	1	3.81
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	1	3.81
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	1	3.81
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	1	3.81
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	1	3.81
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	1	3.81
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	1	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	10	3.8
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	10	3.8
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	10	3.8
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	10	3.8
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	10	3.8
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	10	3.8
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	10	3.8
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	10	3.8
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	10	3.8
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	10	3.8
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	10	3.8
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	10	3.8
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	10	3.8
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	10	3.8
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	10	3.8
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	3	3.78
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	3	3.78
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	3	3.78
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	3	3.78
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	3	3.78
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	3	3.78
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	3	3.78
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	3	3.78
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	3	3.78
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	3	3.78
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	8	3.77
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	8	3.77
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	8	3.77
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	8	3.77
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	8	3.77
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	8	3.77
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	8	3.77
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	8	3.77
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	8	3.77
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	8	3.77
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	9	3.76
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	9	3.76
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	9	3.76
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	9	3.76
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	9	3.76
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	9	3.76
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	9	3.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	9	3.76
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	9	3.76
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	9	3.76
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	7	3.76
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	7	3.76
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	7	3.76
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	7	3.76
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	7	3.76
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	7	3.76
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	7	3.76
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	7	3.76
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	7	3.76
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	7	3.76
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	3.76
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	3.76
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	3.76
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	3.76
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	3.76
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	3.76
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	3.76
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	3.76
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	15	3.76
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	15	3.76
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	14	3.75
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	14	3.75
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	14	3.75
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	14	3.75
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	14	3.75
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	14	3.75
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	14	3.75
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	14	3.75
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	14	3.75
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	14	3.75
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE1	2	3.73
(1,2365)	1:298:A:ARG:H	1:296:A:TYR:HE2	2	3.73
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE1	2	3.73
(1,2364)	1:298:A:ARG:H	1:296:A:TYR:HE2	2	3.73
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE1	2	3.73
(1,2363)	1:298:A:ARG:H	1:296:A:TYR:HE2	2	3.73
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE1	2	3.73
(1,2362)	1:298:A:ARG:H	1:296:A:TYR:HE2	2	3.73
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE1	2	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:298:A:ARG:H	1:296:A:TYR:HE2	2	3.73
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	13	3.7
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	13	3.7
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	13	3.7
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	13	3.7
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	13	3.7
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	13	3.7
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	13	3.7
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	13	3.7
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	13	3.7
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	13	3.7
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	10	3.69
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	10	3.69
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	10	3.69
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	10	3.69
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	10	3.69
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	10	3.69
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	10	3.69
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	10	3.69
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	10	3.69
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	10	3.69
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	7	3.69
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	7	3.69
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	7	3.69
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	7	3.69
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	7	3.69
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	7	3.69
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	7	3.69
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	7	3.69
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	7	3.69
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	7	3.69
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	7	3.69
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	7	3.69
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	7	3.69
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	7	3.69
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	7	3.69
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	7	3.69
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	7	3.69
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	7	3.69
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	7	3.69
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	7	3.69
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	7	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	7	3.69
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	7	3.69
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	7	3.69
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	7	3.69
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	7	3.69
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	7	3.69
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	7	3.69
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	7	3.69
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	7	3.69
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	5	3.66
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	5	3.66
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	5	3.66
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	5	3.66
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	5	3.66
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	5	3.66
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	5	3.66
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	5	3.66
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	5	3.66
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	5	3.66
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	6	3.65
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	6	3.65
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	6	3.65
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	6	3.65
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	6	3.65
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	6	3.65
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	6	3.65
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	6	3.65
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	6	3.65
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	6	3.65
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.62
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.62
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.62
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.62
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.62
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.62
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.62
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.62
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	15	3.62
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	15	3.62
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	9	3.62
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	9	3.62
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	9	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	9	3.62
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	9	3.62
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	9	3.62
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	9	3.62
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	9	3.62
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	9	3.62
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	9	3.62
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	9	3.62
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	9	3.62
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	9	3.62
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	9	3.62
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	9	3.62
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	9	3.62
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	9	3.62
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	9	3.62
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	9	3.62
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	9	3.62
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	9	3.62
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	9	3.62
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	9	3.62
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	9	3.62
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	9	3.62
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	9	3.62
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	9	3.62
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	9	3.62
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	9	3.62
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	9	3.62
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG2	2	3.59
(1,2410)	1:312:A:ARG:H	1:314:A:ARG:HG3	2	3.59
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG2	2	3.59
(1,2409)	1:312:A:ARG:H	1:314:A:ARG:HG3	2	3.59
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG2	2	3.59
(1,2408)	1:312:A:ARG:H	1:314:A:ARG:HG3	2	3.59
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG2	2	3.59
(1,2407)	1:312:A:ARG:H	1:314:A:ARG:HG3	2	3.59
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG2	2	3.59
(1,2406)	1:312:A:ARG:H	1:314:A:ARG:HG3	2	3.59
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	9	3.57
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	9	3.57
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	9	3.57
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	9	3.57
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	9	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	9	3.57
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	9	3.57
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	9	3.57
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	9	3.57
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	9	3.57
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	2	3.57
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	2	3.57
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	2	3.57
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	2	3.57
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	2	3.57
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	2	3.57
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	2	3.57
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	2	3.57
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	2	3.57
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	2	3.57
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	2	3.57
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	2	3.57
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	2	3.57
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	2	3.57
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	2	3.57
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	14	3.54
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	14	3.54
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	14	3.54
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	14	3.54
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	14	3.54
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	14	3.54
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	14	3.54
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	14	3.54
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	14	3.54
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	14	3.54
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	6	3.51
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	6	3.51
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	6	3.51
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	6	3.51
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	6	3.51
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	6	3.51
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	6	3.51
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	6	3.51
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	6	3.51
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	6	3.51
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	7	3.47
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	7	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	7	3.47
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	7	3.47
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	7	3.47
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	7	3.47
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	7	3.47
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	7	3.47
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	7	3.47
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	7	3.47
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	14	3.47
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	14	3.47
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	14	3.47
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	14	3.47
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	14	3.47
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	14	3.47
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	14	3.47
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	14	3.47
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	14	3.47
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	14	3.47
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	14	3.47
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	14	3.47
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	14	3.47
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	14	3.47
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	14	3.47
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	1	3.46
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	1	3.46
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	1	3.46
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	1	3.46
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	1	3.46
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	1	3.46
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	1	3.46
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	1	3.46
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	1	3.46
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	1	3.46
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	3	3.45
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	3	3.45
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	3	3.45
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	3	3.45
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	3	3.45
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	3	3.45
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	3	3.45
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	3	3.45
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	3	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	3	3.45
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	1	3.45
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	1	3.45
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	1	3.45
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	1	3.45
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	1	3.45
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	1	3.45
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	1	3.45
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	1	3.45
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	1	3.45
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	1	3.45
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	1	3.45
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	1	3.45
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	1	3.45
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	1	3.45
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	1	3.45
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	1	3.45
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	1	3.45
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	1	3.45
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	1	3.45
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	1	3.45
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	1	3.45
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	1	3.45
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	1	3.45
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	1	3.45
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	1	3.45
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	1	3.45
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	1	3.45
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	1	3.45
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	1	3.45
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	1	3.45
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	7	3.45
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	7	3.45
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	7	3.45
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	7	3.45
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	7	3.45
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	2	3.43
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	2	3.43
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	2	3.43
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	2	3.43
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	2	3.43
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	2	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	2	3.43
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	2	3.43
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	2	3.43
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	2	3.43
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	4	3.42
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	4	3.42
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	4	3.42
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	4	3.42
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	4	3.42
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	4	3.42
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	4	3.42
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	4	3.42
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	4	3.42
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	4	3.42
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	12	3.39
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	12	3.39
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	12	3.39
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	12	3.39
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	12	3.39
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	12	3.39
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	12	3.39
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	12	3.39
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	12	3.39
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	12	3.39
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	11	3.37
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	11	3.37
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	11	3.37
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	11	3.37
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	11	3.37
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	11	3.37
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	11	3.37
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	11	3.37
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	11	3.37
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	11	3.37
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	12	3.36
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	12	3.36
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	12	3.36
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	12	3.36
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	12	3.36
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	12	3.36
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	12	3.36
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	12	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	12	3.36
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	12	3.36
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	11	3.33
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	11	3.33
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	11	3.33
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	11	3.33
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	11	3.33
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	12	3.32
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	12	3.32
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	12	3.32
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	12	3.32
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	12	3.32
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	6	3.31
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	6	3.31
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	6	3.31
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	6	3.31
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	6	3.31
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	6	3.31
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	6	3.31
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	6	3.31
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	6	3.31
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	6	3.31
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	6	3.31
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	6	3.31
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	6	3.31
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	6	3.31
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	6	3.31
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	12	3.29
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	12	3.29
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	12	3.29
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	12	3.29
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	12	3.29
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	12	3.29
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	12	3.29
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	12	3.29
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	12	3.29
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	12	3.29
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	12	3.29
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	12	3.29
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	12	3.29
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	12	3.29
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	12	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	12	3.29
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	12	3.29
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	12	3.29
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	12	3.29
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	12	3.29
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	12	3.29
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	12	3.29
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	12	3.29
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	12	3.29
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	12	3.29
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	12	3.29
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	12	3.29
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	12	3.29
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	12	3.29
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	12	3.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	8	3.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	8	3.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	8	3.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	8	3.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	8	3.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	8	3.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	8	3.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	8	3.29
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	8	3.29
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	8	3.29
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	8	3.29
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	8	3.29
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	8	3.29
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	8	3.29
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	8	3.29
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	5	3.28
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	5	3.28
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	5	3.28
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	5	3.28
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	5	3.28
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	5	3.28
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	5	3.28
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	5	3.28
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	5	3.28
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	5	3.28
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	5	3.27
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	5	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	5	3.27
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	5	3.27
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	5	3.27
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	5	3.27
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	5	3.27
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	5	3.27
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	5	3.27
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	5	3.27
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	3	3.26
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	3	3.26
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	3	3.26
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	3	3.26
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	3	3.26
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	3	3.26
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	3	3.26
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	3	3.26
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	3	3.26
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	3	3.26
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	1	3.26
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	1	3.26
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	1	3.26
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	1	3.26
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	1	3.26
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	3	3.25
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	3	3.25
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	3	3.25
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	3	3.25
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	3	3.25
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	6	3.23
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	6	3.23
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	6	3.23
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	6	3.23
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	6	3.23
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	5	3.22
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	9	3.22
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	5	3.22
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	9	3.22
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	5	3.22
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	9	3.22
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	5	3.22
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	9	3.22
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	5	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	9	3.22
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.21
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.21
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.21
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.21
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	15	3.21
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	1	3.18
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	1	3.18
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	1	3.18
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	1	3.18
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	1	3.18
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	1	3.18
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	1	3.18
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	1	3.18
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	1	3.18
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	1	3.18
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	8	3.18
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	8	3.18
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	8	3.18
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	8	3.18
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	8	3.18
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	8	3.18
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	8	3.18
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	8	3.18
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	8	3.18
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	8	3.18
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	8	3.18
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	8	3.18
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	8	3.18
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	8	3.18
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	8	3.18
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	9	3.15
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	9	3.15
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	9	3.15
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	9	3.15
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	9	3.15
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	9	3.15
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	9	3.15
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	9	3.15
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	9	3.15
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	9	3.15
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	13	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	13	3.14
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	13	3.14
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	13	3.14
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	13	3.14
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	2	3.13
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	2	3.13
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	2	3.13
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	2	3.13
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	2	3.13
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	13	3.12
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	13	3.12
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	13	3.12
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	13	3.12
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	13	3.12
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	13	3.12
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	13	3.12
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	13	3.12
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	13	3.12
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	13	3.12
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	9	3.12
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	9	3.12
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	9	3.12
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	9	3.12
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	9	3.12
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	9	3.12
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	9	3.12
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	9	3.12
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	9	3.12
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	9	3.12
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	9	3.12
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	9	3.12
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	9	3.12
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	9	3.12
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	9	3.12
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	9	3.12
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	9	3.12
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	9	3.12
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	9	3.12
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	9	3.12
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	9	3.12
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	9	3.12
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	9	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	9	3.12
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	9	3.12
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	9	3.12
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	9	3.12
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	9	3.12
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	9	3.12
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	9	3.12
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	9	3.12
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	9	3.12
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	9	3.12
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	9	3.12
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	9	3.12
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	9	3.12
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	9	3.12
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	9	3.12
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	9	3.12
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	9	3.12
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	9	3.12
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	9	3.12
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	9	3.12
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	9	3.12
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	9	3.12
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	10	3.12
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	10	3.12
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	10	3.12
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	10	3.12
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	10	3.12
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	4	3.11
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	4	3.11
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.11
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.11
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	4	3.11
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	4	3.11
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.11
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.11
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	4	3.11
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	4	3.11
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.11
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.11
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	4	3.11
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	4	3.11
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.11
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	4	3.11
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	4	3.11
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	15	3.11
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	15	3.11
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	5	3.1
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	5	3.1
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	5	3.1
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	5	3.1
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	5	3.1
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	5	3.1
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	5	3.1
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	5	3.1
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	5	3.1
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	5	3.1
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	5	3.1
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	5	3.1
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	5	3.1
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	5	3.1
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	5	3.1
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	5	3.1
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	5	3.1
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	5	3.1
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	5	3.1
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	5	3.1
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	5	3.1
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	5	3.1
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	5	3.1
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	5	3.1
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	5	3.1
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	5	3.1
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	5	3.1
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	5	3.1
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	5	3.1
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	5	3.1
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	4	3.1
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	4	3.1
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	4	3.1
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	4	3.1
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	4	3.1
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	7	3.09
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	7	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	7	3.09
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	7	3.09
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	7	3.09
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	7	3.09
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	7	3.09
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	7	3.09
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	7	3.09
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	7	3.09
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	10	3.06
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	10	3.06
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	10	3.06
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	10	3.06
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	10	3.06
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	10	3.06
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	10	3.06
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	10	3.06
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	10	3.06
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	10	3.06
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	10	3.06
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	10	3.06
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	10	3.06
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	10	3.06
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	10	3.06
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	10	3.06
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	10	3.06
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	10	3.06
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	10	3.06
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	10	3.06
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	10	3.06
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	10	3.06
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	10	3.06
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	10	3.06
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	10	3.06
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	10	3.06
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	10	3.06
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	10	3.06
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	10	3.06
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	10	3.06
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	10	3.06
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	10	3.06
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	10	3.06
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	10	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	10	3.06
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	10	3.06
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	10	3.06
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	10	3.06
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	10	3.06
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	10	3.06
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	10	3.06
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	10	3.06
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	10	3.06
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	10	3.06
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	10	3.06
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	3.06
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	3.06
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	3.06
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	3.06
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	3.06
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	3.06
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	3.06
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	3.06
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	15	3.06
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	15	3.06
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	13	3.05
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	13	3.05
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	13	3.05
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	13	3.05
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	13	3.05
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	13	3.05
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	13	3.05
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	13	3.05
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	13	3.05
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	13	3.05
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD2	14	3.04
(1,2415)	1:312:A:ARG:H	1:314:A:ARG:HD3	14	3.04
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD2	14	3.04
(1,2414)	1:312:A:ARG:H	1:314:A:ARG:HD3	14	3.04
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD2	14	3.04
(1,2413)	1:312:A:ARG:H	1:314:A:ARG:HD3	14	3.04
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD2	14	3.04
(1,2412)	1:312:A:ARG:H	1:314:A:ARG:HD3	14	3.04
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD2	14	3.04
(1,2411)	1:312:A:ARG:H	1:314:A:ARG:HD3	14	3.04
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG2	10	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:305:A:GLU:H	1:307:A:ARG:HG3	10	3.04
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG2	10	3.04
(1,2384)	1:305:A:GLU:H	1:307:A:ARG:HG3	10	3.04
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG2	10	3.04
(1,2383)	1:305:A:GLU:H	1:307:A:ARG:HG3	10	3.04
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG2	10	3.04
(1,2382)	1:305:A:GLU:H	1:307:A:ARG:HG3	10	3.04
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG2	10	3.04
(1,2381)	1:305:A:GLU:H	1:307:A:ARG:HG3	10	3.04
(1,2235)	1:238:A:SER:H	1:239:A:TRP:HE3	14	3.04
(1,2234)	1:238:A:SER:H	1:239:A:TRP:HE3	14	3.04
(1,2233)	1:238:A:SER:H	1:239:A:TRP:HE3	14	3.04
(1,2232)	1:238:A:SER:H	1:239:A:TRP:HE3	14	3.04
(1,2231)	1:238:A:SER:H	1:239:A:TRP:HE3	14	3.04
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	8	3.03
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	8	3.03
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	8	3.03
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	8	3.03
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	8	3.03
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	8	3.03
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	8	3.03
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	8	3.03
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	8	3.03
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	8	3.03
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	8	3.03
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	8	3.03
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	8	3.03
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	8	3.03
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	8	3.03
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	8	3.03
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	8	3.03
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	8	3.03
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	8	3.03
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	8	3.03
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	8	3.03
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	8	3.03
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	8	3.03
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	8	3.03
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	8	3.03
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	8	3.03
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	8	3.03
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	8	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	8	3.03
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	8	3.03
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	3	3.02
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	3	3.02
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	3	3.02
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	3	3.02
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	3	3.02
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	3	3.02
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	3	3.02
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	3	3.02
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	3	3.02
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	3	3.02
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	2.98
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	2.98
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	2.98
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	2.98
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	2.98
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	2.98
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	2.98
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	2.98
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	2.98
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	2.98
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	2.98
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	2.98
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	15	2.98
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	15	2.98
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	15	2.98
(1,2250)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	13	2.96
(1,2250)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	13	2.96
(1,2250)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	13	2.96
(1,2249)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	13	2.96
(1,2249)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	13	2.96
(1,2249)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	13	2.96
(1,2248)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	13	2.96
(1,2248)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	13	2.96
(1,2248)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	13	2.96
(1,2247)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	13	2.96
(1,2247)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	13	2.96
(1,2247)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	13	2.96
(1,2246)	1:242:A:VAL:HG11	1:234:A:TRP:HZ2	13	2.96
(1,2246)	1:242:A:VAL:HG12	1:234:A:TRP:HZ2	13	2.96
(1,2246)	1:242:A:VAL:HG13	1:234:A:TRP:HZ2	13	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	14	2.95
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	14	2.95
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	14	2.95
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	14	2.95
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	14	2.95
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	14	2.95
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	14	2.95
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	14	2.95
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	14	2.95
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	14	2.95
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	14	2.95
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	14	2.95
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	14	2.95
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	14	2.95
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	14	2.95
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	14	2.95
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	14	2.95
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	14	2.95
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	14	2.95
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	14	2.95
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	14	2.95
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	14	2.95
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	14	2.95
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	14	2.95
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	14	2.95
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	14	2.95
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	14	2.95
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	14	2.95
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	14	2.95
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	14	2.95
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	1	2.94
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	1	2.94
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	1	2.94
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	1	2.94
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	1	2.94
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	1	2.94
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	1	2.94
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	1	2.94
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	1	2.94
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	1	2.94
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	1	2.94
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	1	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	1	2.94
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	1	2.94
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	1	2.94
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	1	2.94
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	1	2.94
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	1	2.94
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	1	2.94
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	1	2.94
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	1	2.94
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	1	2.94
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	1	2.94
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	1	2.94
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	1	2.94
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	1	2.94
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	1	2.94
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	1	2.94
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	1	2.94
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	1	2.94
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	1	2.94
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	1	2.94
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	1	2.94
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	1	2.94
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	1	2.94
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	1	2.94
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	1	2.94
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	1	2.94
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	1	2.94
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	1	2.94
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	1	2.94
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	1	2.94
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	1	2.94
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	1	2.94
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	1	2.94
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	3	2.93
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	3	2.93
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	3	2.93
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	3	2.93
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	3	2.93
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	3	2.93
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	3	2.93
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	3	2.93
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	3	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	3	2.93
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	3	2.93
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	3	2.93
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	3	2.93
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	3	2.93
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	3	2.93
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	3	2.93
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	3	2.93
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	3	2.93
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	3	2.93
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	3	2.93
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	3	2.93
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	3	2.93
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	3	2.93
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	3	2.93
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	3	2.93
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	3	2.93
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	3	2.93
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	3	2.93
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	3	2.93
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	3	2.93
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	9	2.92
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	9	2.92
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	9	2.92
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	9	2.92
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	9	2.92
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	9	2.92
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	9	2.92
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	9	2.92
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	9	2.92
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	9	2.92
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	9	2.91
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	9	2.91
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	9	2.91
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	9	2.91
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	9	2.91
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	9	2.91
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	9	2.91
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	9	2.91
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	9	2.91
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	9	2.91
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	9	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	9	2.91
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	9	2.91
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	9	2.91
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	9	2.91
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	9	2.91
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	9	2.91
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	9	2.91
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	9	2.91
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	9	2.91
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	9	2.91
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	9	2.91
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	9	2.91
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	9	2.91
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	9	2.91
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	9	2.91
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	9	2.91
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	9	2.91
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	9	2.91
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	9	2.91
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	8	2.9
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	8	2.9
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	8	2.9
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	8	2.9
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	8	2.9
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	8	2.9
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	8	2.9
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	8	2.9
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	8	2.9
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	8	2.9
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	11	2.9
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	11	2.9
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	11	2.9
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	11	2.9
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	11	2.9
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	11	2.9
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	11	2.9
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	11	2.9
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	11	2.9
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	11	2.9
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	11	2.9
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	11	2.9
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	11	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	11	2.9
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	11	2.9
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	11	2.9
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	11	2.9
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	11	2.9
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	11	2.9
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	11	2.9
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	11	2.9
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	11	2.9
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	11	2.9
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	11	2.9
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	11	2.9
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	11	2.9
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	11	2.9
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	11	2.9
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	11	2.9
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	11	2.9
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	7	2.89
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	7	2.89
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	7	2.89
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	7	2.89
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	7	2.89
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	7	2.89
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	7	2.89
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	7	2.89
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	7	2.89
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	7	2.89
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	11	2.88
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	11	2.88
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	11	2.88
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	11	2.88
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	11	2.88
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	11	2.88
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	11	2.88
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	11	2.88
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	11	2.88
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	11	2.88
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	6	2.87
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	6	2.87
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	6	2.87
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	6	2.87
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	6	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	6	2.87
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	6	2.87
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	6	2.87
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	6	2.87
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	6	2.87
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	5	2.84
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	5	2.84
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	5	2.84
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	5	2.84
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	5	2.84
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	5	2.84
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	5	2.84
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	5	2.84
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	5	2.84
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	5	2.84
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	2	2.79
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	2	2.79
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	4	2.79
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	4	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	2	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	2	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	4	2.79
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	4	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	2	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	2	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	4	2.79
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	4	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	2	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	2	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	4	2.79
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	4	2.79
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	2	2.79
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	2	2.79
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	4	2.79
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	4	2.79
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	2	2.78
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	2	2.78
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	2	2.78
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	2	2.78
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	2	2.78
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	2	2.78
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	2	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	2	2.78
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	2	2.78
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	2	2.78
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	2	2.78
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	2	2.78
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	2	2.78
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	2	2.78
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	2	2.78
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	2	2.78
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	2	2.78
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	2	2.78
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	2	2.78
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	2	2.78
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	2	2.78
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	2	2.78
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	2	2.78
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	2	2.78
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	2	2.78
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	2	2.78
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	2	2.78
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	2	2.78
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	2	2.78
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	2	2.78
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	2	2.77
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	2	2.77
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	2	2.77
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	2	2.77
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	2	2.77
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	2	2.77
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	2	2.77
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	2	2.77
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	2	2.77
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	2	2.77
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	2	2.77
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	2	2.77
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	2	2.77
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	2	2.77
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	2	2.77
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	2	2.77
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	2	2.77
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	2	2.77
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	2	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	2	2.77
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	2	2.77
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	2	2.77
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	2	2.77
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	2	2.77
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	2	2.77
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	2	2.77
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	2	2.77
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	2	2.77
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	2	2.77
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	2	2.77
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	1	2.75
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	1	2.75
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	1	2.75
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	1	2.75
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	1	2.75
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	1	2.75
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	1	2.75
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	1	2.75
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	1	2.75
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	1	2.75
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	1	2.75
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	1	2.75
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	1	2.75
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	1	2.75
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	1	2.75
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	1	2.75
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	1	2.75
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	1	2.75
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	1	2.75
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	1	2.75
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	1	2.75
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	1	2.75
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	1	2.75
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	1	2.75
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	1	2.75
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	1	2.75
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	1	2.75
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	1	2.75
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	1	2.75
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	1	2.75
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	2	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	2	2.73
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	2	2.73
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	2	2.73
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	2	2.73
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	2	2.73
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	2	2.73
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	2	2.73
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	2	2.73
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	2	2.73
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	2	2.73
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	2	2.73
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	2	2.73
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	2	2.73
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	2	2.73
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	2	2.73
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	2	2.73
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	2	2.73
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	2	2.73
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	2	2.73
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	2	2.73
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	2	2.73
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	2	2.73
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	2	2.73
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	2	2.73
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	2	2.73
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	2	2.73
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	2	2.73
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	2	2.73
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	2	2.73
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	13	2.73
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	13	2.73
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	13	2.73
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	13	2.73
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	13	2.73
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	13	2.73
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	13	2.73
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	13	2.73
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	13	2.73
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	13	2.73
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	13	2.73
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	13	2.73
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	13	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	13	2.73
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	13	2.73
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	13	2.73
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	13	2.73
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	13	2.73
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	13	2.73
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	13	2.73
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	13	2.73
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	13	2.73
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	13	2.73
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	13	2.73
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	13	2.73
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	13	2.73
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	13	2.73
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	13	2.73
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	13	2.73
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	13	2.73
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	13	2.73
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	13	2.73
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	13	2.73
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	13	2.73
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	13	2.73
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	13	2.73
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	13	2.73
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	13	2.73
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	13	2.73
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	13	2.73
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	13	2.73
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	13	2.73
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	13	2.73
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	13	2.73
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	13	2.73
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	7	2.73
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	7	2.73
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	7	2.73
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	7	2.73
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	7	2.73
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	7	2.73
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	7	2.73
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	7	2.73
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	7	2.73
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	7	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	7	2.73
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	7	2.73
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	7	2.73
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	7	2.73
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	7	2.73
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	7	2.73
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	7	2.73
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	7	2.73
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	7	2.73
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	7	2.73
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	7	2.73
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	7	2.73
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	7	2.73
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	7	2.73
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	7	2.73
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	7	2.73
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	7	2.73
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	7	2.73
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	7	2.73
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	7	2.73
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	11	2.72
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	11	2.72
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	11	2.72
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	11	2.72
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	11	2.72
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	11	2.72
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	11	2.72
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	11	2.72
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	11	2.72
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	11	2.72
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	11	2.72
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	11	2.72
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	11	2.72
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	11	2.72
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	11	2.72
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	11	2.72
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	11	2.72
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	11	2.72
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	11	2.72
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	11	2.72
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	11	2.72
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	11	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	11	2.72
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	11	2.72
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	11	2.72
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	11	2.72
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	11	2.72
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	11	2.72
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	11	2.72
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	11	2.72
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	3	2.72
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	3	2.72
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	3	2.72
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	3	2.72
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	3	2.72
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	3	2.72
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	3	2.72
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	3	2.72
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	3	2.72
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	3	2.72
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	3	2.72
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	3	2.72
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	3	2.72
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	3	2.72
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	3	2.72
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	3	2.72
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	3	2.72
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	3	2.72
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	3	2.72
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	3	2.72
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	3	2.72
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	3	2.72
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	3	2.72
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	3	2.72
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	3	2.72
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	3	2.72
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	3	2.72
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	3	2.72
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	3	2.72
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	3	2.72
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	6	2.71
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	6	2.71
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	6	2.71
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	6	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	6	2.71
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	6	2.71
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	6	2.71
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	6	2.71
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	6	2.71
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	6	2.71
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	14	2.7
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	14	2.7
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	14	2.7
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	14	2.7
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	14	2.7
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	14	2.7
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	14	2.7
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	14	2.7
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	14	2.7
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	14	2.7
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	2	2.69
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	2	2.69
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	2	2.69
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	2	2.69
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	2	2.69
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	2	2.69
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	2	2.69
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	2	2.69
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	2	2.69
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	2	2.69
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	2	2.69
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	2	2.69
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	2	2.69
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	2	2.69
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	2	2.69
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	2	2.69
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	2	2.69
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	2	2.69
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	2	2.69
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	2	2.69
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	2	2.69
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	2	2.69
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	2	2.69
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	2	2.69
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	2	2.69
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	2	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	2	2.69
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	2	2.69
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	2	2.69
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	2	2.69
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	2	2.69
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	2	2.69
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	2	2.69
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	2	2.69
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	2	2.69
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	2	2.69
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	2	2.69
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	2	2.69
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	2	2.69
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	2	2.69
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	2	2.69
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	2	2.69
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	2	2.69
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	2	2.69
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	2	2.69
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	3	2.68
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	3	2.68
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	12	2.68
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	12	2.68
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	3	2.68
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	3	2.68
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	12	2.68
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	12	2.68
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	3	2.68
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	3	2.68
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	12	2.68
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	12	2.68
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	3	2.68
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	3	2.68
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	12	2.68
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	12	2.68
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	3	2.68
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	3	2.68
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	12	2.68
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	12	2.68
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	14	2.68
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	14	2.68
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	14	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	14	2.68
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	14	2.68
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	14	2.68
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	14	2.68
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	14	2.68
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	14	2.68
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	14	2.68
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	14	2.68
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	14	2.68
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	14	2.68
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	14	2.68
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	14	2.68
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	14	2.68
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	14	2.68
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	14	2.68
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	14	2.68
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	14	2.68
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	14	2.68
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	14	2.68
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	14	2.68
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	14	2.68
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	14	2.68
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	14	2.68
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	14	2.68
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	14	2.68
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	14	2.68
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	14	2.68
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	12	2.68
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	12	2.68
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	12	2.68
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	12	2.68
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	12	2.68
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	12	2.68
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	12	2.68
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	12	2.68
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	12	2.68
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	12	2.68
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	12	2.68
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	12	2.68
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	12	2.68
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	12	2.68
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	12	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	12	2.68
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	12	2.68
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	12	2.68
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	12	2.68
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	12	2.68
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	12	2.68
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	12	2.68
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	12	2.68
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	12	2.68
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	12	2.68
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	12	2.68
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	12	2.68
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	12	2.68
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	12	2.68
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	12	2.68
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	12	2.68
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	12	2.68
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	12	2.68
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	12	2.68
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	12	2.68
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	12	2.68
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	12	2.68
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	12	2.68
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	12	2.68
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	12	2.68
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	12	2.68
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	12	2.68
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	12	2.68
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	12	2.68
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	12	2.68
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	8	2.68
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	8	2.68
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	8	2.68
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	8	2.68
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	8	2.68
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	8	2.68
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	8	2.68
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	8	2.68
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	8	2.68
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	8	2.68
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	8	2.68
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	8	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	8	2.68
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	8	2.68
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	8	2.68
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	8	2.68
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	8	2.68
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	8	2.68
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	8	2.68
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	8	2.68
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	8	2.68
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	8	2.68
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	8	2.68
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	8	2.68
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	8	2.68
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	8	2.68
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	8	2.68
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	8	2.68
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	8	2.68
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	8	2.68
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	2.67
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	2.67
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	2.67
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	2.67
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	2.67
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	2.67
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	2.67
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	2.67
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	2.67
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	2.67
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	2.67
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	2.67
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	2.67
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	2.67
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	2.67
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	2.67
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	2.67
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	2.67
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	2.67
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	2.67
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	2.67
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	2.67
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	2.67
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	15	2.67
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	15	2.67
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	15	2.67
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	15	2.67
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	15	2.67
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	15	2.67
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	7	2.66
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	7	2.66
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	7	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	7	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	7	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	7	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	7	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	7	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	7	2.66
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.66
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.66
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.66
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.66
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	7	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	7	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	7	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	7	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	7	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	7	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	7	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	7	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	7	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.66
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.66
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.66
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	7	2.66
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	7	2.66
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	7	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	7	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	7	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	7	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	7	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	7	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	7	2.66
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.66
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.66
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.66
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.66
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	7	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	7	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	7	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	7	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	7	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	7	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	7	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	7	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	7	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.66
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.66
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.66
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	7	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	7	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	7	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	7	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	7	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	7	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	7	2.66
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	7	2.66
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	7	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	15	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	15	2.66
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	15	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	15	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	15	2.66
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	15	2.66
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	15	2.66
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	15	2.66
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	15	2.66
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	13	2.65
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	13	2.65
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	13	2.65
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	13	2.65
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	13	2.65
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	13	2.65
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.65
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.65
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.65
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.65
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.65
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.65
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	13	2.65
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	13	2.65
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	13	2.65
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	13	2.65
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	13	2.65
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	13	2.65
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.65
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.65
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.65
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.65
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.65
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.65
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	13	2.65
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	13	2.65
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	13	2.65
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	13	2.65
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	13	2.65
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	13	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.65
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.65
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.65
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.65
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.65
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.65
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	13	2.65
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	13	2.65
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	13	2.65
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	13	2.65
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	13	2.65
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	13	2.65
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.65
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.65
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.65
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.65
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.65
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.65
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	13	2.65
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	13	2.65
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	13	2.65
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	13	2.65
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	13	2.65
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	13	2.65
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	15	2.65
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	15	2.65
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	15	2.65
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	15	2.65
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	15	2.65
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	15	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	10	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	10	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	10	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	10	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	10	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	10	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	10	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	10	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	10	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	11	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	11	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	11	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	11	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	11	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	11	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	11	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	11	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	11	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	14	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	14	2.65
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	14	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	14	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	14	2.65
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	14	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	14	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	14	2.65
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	14	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	10	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	10	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	10	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	10	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	10	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	10	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	10	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	10	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	10	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	11	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	11	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	11	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	11	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	11	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	11	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	11	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	11	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	11	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	14	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	14	2.65
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	14	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	14	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	14	2.65
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	14	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	14	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	14	2.65
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	14	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	10	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	10	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	10	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	10	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	10	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	10	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	10	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	10	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	10	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	11	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	11	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	11	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	11	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	11	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	11	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	11	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	11	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	11	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	14	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	14	2.65
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	14	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	14	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	14	2.65
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	14	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	14	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	14	2.65
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	14	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	10	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	10	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	10	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	10	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	10	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	10	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	10	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	10	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	10	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	11	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	11	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	11	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	11	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	11	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	11	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	11	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	11	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	11	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	14	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	14	2.65
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	14	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	14	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	14	2.65
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	14	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	14	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	14	2.65
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	14	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	10	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	10	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	10	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	10	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	10	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	10	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	10	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	10	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	10	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	11	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	11	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	11	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	11	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	11	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	11	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	11	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	11	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	11	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	14	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	14	2.65
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	14	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	14	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	14	2.65
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	14	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	14	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	14	2.65
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	14	2.65
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	1	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	1	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	1	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	1	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	1	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	1	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	9	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	9	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	9	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	9	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	9	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	9	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	10	2.64
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	10	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	10	2.64
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	10	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	10	2.64
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	10	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	1	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	1	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	1	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	1	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	1	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	1	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	9	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	9	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	9	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	9	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	9	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	9	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	10	2.64
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	10	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	10	2.64
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	10	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	10	2.64
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	10	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	1	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	1	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	1	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	1	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	1	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	1	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	9	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	9	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	9	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	9	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	9	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	9	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	10	2.64
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	10	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	10	2.64
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	10	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	10	2.64
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	10	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	1	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	1	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	1	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	1	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	1	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	1	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	9	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	9	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	9	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	9	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	9	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	9	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	10	2.64
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	10	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	10	2.64
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	10	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	10	2.64
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	10	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	1	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	1	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	1	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	1	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	1	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	1	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	9	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	9	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	9	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	9	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	9	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	9	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	10	2.64
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	10	2.64
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	10	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	10	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	10	2.64
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	10	2.64
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	9	2.64
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	9	2.64
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	9	2.64
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	9	2.64
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	9	2.64
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	9	2.64
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	9	2.64
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	9	2.64
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	9	2.64
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	9	2.64
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	9	2.64
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	9	2.64
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	9	2.64
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	9	2.64
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	9	2.64
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	9	2.64
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	9	2.64
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	9	2.64
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	9	2.64
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	9	2.64
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	9	2.64
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	9	2.64
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	9	2.64
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	9	2.64
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	9	2.64
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	9	2.64
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	9	2.64
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	9	2.64
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	9	2.64
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	9	2.64
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	9	2.64
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	9	2.64
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	9	2.64
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	9	2.64
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	9	2.64
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	9	2.64
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	9	2.64
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	9	2.64
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	9	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	9	2.64
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	9	2.64
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	9	2.64
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	9	2.64
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	9	2.64
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	9	2.64
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	10	2.64
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	10	2.64
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	10	2.64
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	10	2.64
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	10	2.64
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	10	2.64
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	10	2.64
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	10	2.64
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	10	2.64
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	10	2.64
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	10	2.64
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	10	2.64
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	10	2.64
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	10	2.64
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	10	2.64
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	10	2.64
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	10	2.64
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	10	2.64
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	10	2.64
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	10	2.64
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	10	2.64
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	10	2.64
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	10	2.64
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	10	2.64
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	10	2.64
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	10	2.64
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	10	2.64
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	10	2.64
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	10	2.64
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	10	2.64
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	6	2.63
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	6	2.63
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	6	2.63
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	6	2.63
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	6	2.63
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	6	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	6	2.63
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	6	2.63
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	6	2.63
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	6	2.63
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	6	2.63
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	6	2.63
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	6	2.63
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	6	2.63
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	6	2.63
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	6	2.63
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	6	2.63
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	6	2.63
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	6	2.63
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	6	2.63
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	6	2.63
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	6	2.63
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	6	2.63
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	6	2.63
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	6	2.63
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	6	2.63
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	6	2.63
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	6	2.63
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	6	2.63
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	6	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	4	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	4	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	4	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	4	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	4	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	4	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	4	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	4	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	4	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	5	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	5	2.63
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	5	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	5	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	5	2.63
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	5	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	5	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	5	2.63
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	5	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	4	2.63
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	4	2.63
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	4	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	4	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	4	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	4	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	4	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	4	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	4	2.63
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	5	2.63
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	5	2.63
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	5	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	5	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	5	2.63
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	5	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	5	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	5	2.63
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	5	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	4	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	4	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	4	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	4	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	4	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	4	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	4	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	4	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	4	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	5	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	5	2.63
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	5	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	5	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	5	2.63
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	5	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	5	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	5	2.63
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	5	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	4	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	4	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	4	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	4	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	4	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	4	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	4	2.63
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	4	2.63
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	4	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	5	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	5	2.63
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	5	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	5	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	5	2.63
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	5	2.63
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	5	2.63
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	5	2.63
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	5	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	4	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	4	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	4	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	4	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	4	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	4	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	4	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	4	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	4	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	5	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	5	2.63
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	5	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	5	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	5	2.63
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	5	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	5	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	5	2.63
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	5	2.63
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	9	2.62
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	9	2.62
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	9	2.62
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	9	2.62
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	9	2.62
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	9	2.62
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	9	2.62
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	9	2.62
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	9	2.62
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	9	2.62
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	9	2.62
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	9	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	9	2.62
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	9	2.62
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	9	2.62
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	9	2.62
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	9	2.62
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	9	2.62
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	9	2.62
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	9	2.62
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	9	2.62
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	9	2.62
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	9	2.62
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	9	2.62
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	9	2.62
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	9	2.62
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	9	2.62
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	9	2.62
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	9	2.62
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	9	2.62
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	9	2.62
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	9	2.62
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	9	2.62
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	9	2.62
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	9	2.62
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	9	2.62
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	9	2.62
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	9	2.62
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	9	2.62
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	9	2.62
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	9	2.62
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	9	2.62
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	9	2.62
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	9	2.62
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	9	2.62
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	5	2.61
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	5	2.61
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	5	2.61
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	5	2.61
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	5	2.61
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	5	2.61
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	5	2.61
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	5	2.61
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	5	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	5	2.61
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	5	2.61
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	5	2.61
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	5	2.61
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	5	2.61
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	5	2.61
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	5	2.61
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	5	2.61
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	5	2.61
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	5	2.61
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	5	2.61
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	5	2.61
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	5	2.61
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	5	2.61
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	5	2.61
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	5	2.61
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	5	2.61
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	5	2.61
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	5	2.61
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	5	2.61
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	5	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	6	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	6	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	6	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	6	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	6	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	6	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	6	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	6	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	6	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	8	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	8	2.61
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	8	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	8	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	8	2.61
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	8	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	8	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	8	2.61
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	8	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	6	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	6	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	6	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	6	2.61
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	6	2.61
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	6	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	6	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	6	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	6	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	8	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	8	2.61
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	8	2.61
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	8	2.61
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	8	2.61
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	8	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	8	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	8	2.61
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	8	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	6	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	6	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	6	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	6	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	6	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	6	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	6	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	6	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	6	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	8	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	8	2.61
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	8	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	8	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	8	2.61
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	8	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	8	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	8	2.61
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	8	2.61
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	6	2.61
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	6	2.61
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	6	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	6	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	6	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	6	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	6	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	6	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	6	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	8	2.61
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	8	2.61
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	8	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	8	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	8	2.61
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	8	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	8	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	8	2.61
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	8	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	6	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	6	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	6	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	6	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	6	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	6	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	6	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	6	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	6	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	8	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	8	2.61
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	8	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	8	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	8	2.61
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	8	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	8	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	8	2.61
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	8	2.61
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	11	2.61
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	11	2.61
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	11	2.61
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	11	2.61
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	11	2.61
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	11	2.61
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	11	2.61
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	11	2.61
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	11	2.61
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	11	2.61
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	11	2.61
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	11	2.61
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	11	2.61
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	11	2.61
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	11	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	11	2.61
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	11	2.61
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	11	2.61
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	11	2.61
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	11	2.61
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	11	2.61
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	11	2.61
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	11	2.61
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	11	2.61
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	11	2.61
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	11	2.61
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	11	2.61
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	11	2.61
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	11	2.61
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	11	2.61
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	12	2.6
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	12	2.6
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	12	2.6
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	12	2.6
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	12	2.6
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	12	2.6
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	12	2.6
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	12	2.6
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	12	2.6
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	12	2.6
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	12	2.6
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	12	2.6
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	12	2.6
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	12	2.6
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	12	2.6
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	12	2.6
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	12	2.6
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	12	2.6
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	12	2.6
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	12	2.6
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	12	2.6
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	12	2.6
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	12	2.6
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	12	2.6
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	12	2.6
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	12	2.6
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	12	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	12	2.6
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	12	2.6
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	12	2.6
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	7	2.6
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	7	2.6
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	7	2.6
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	7	2.6
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	7	2.6
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	7	2.6
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	7	2.6
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	7	2.6
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	7	2.6
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	7	2.6
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	7	2.6
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	7	2.6
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	7	2.6
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	7	2.6
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	7	2.6
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	7	2.6
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	7	2.6
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	7	2.6
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	7	2.6
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	7	2.6
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	7	2.6
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	7	2.6
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	7	2.6
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	7	2.6
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	7	2.6
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	7	2.6
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	7	2.6
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	7	2.6
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	7	2.6
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	7	2.6
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	3	2.59
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	3	2.59
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	3	2.59
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	3	2.59
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	3	2.59
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	3	2.59
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	3	2.59
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	3	2.59
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	3	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	3	2.59
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	3	2.59
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	3	2.59
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	3	2.59
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	3	2.59
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	3	2.59
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	3	2.59
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	3	2.59
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	3	2.59
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	3	2.59
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	3	2.59
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	3	2.59
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	3	2.59
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	3	2.59
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	3	2.59
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	3	2.59
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	3	2.59
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	3	2.59
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	3	2.59
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	3	2.59
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	3	2.59
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	3	2.59
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	3	2.59
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	3	2.59
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	3	2.59
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	3	2.59
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	3	2.59
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	3	2.59
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	3	2.59
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	3	2.59
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	3	2.59
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	3	2.59
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	3	2.59
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	3	2.59
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	3	2.59
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	3	2.59
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	1	2.58
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	1	2.58
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	1	2.58
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	1	2.58
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	1	2.58
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	1	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	1	2.58
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	1	2.58
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	1	2.58
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	1	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	3	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	3	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	3	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	3	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	3	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	3	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	5	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	5	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	5	2.58
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	5	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	5	2.58
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	5	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	3	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	3	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	3	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	3	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	3	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	3	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	5	2.58
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	5	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	5	2.58
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	5	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	5	2.58
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	5	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	3	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	3	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	3	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	3	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	3	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	3	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	5	2.58
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	5	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	5	2.58
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	5	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	5	2.58
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	5	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	3	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	3	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	3	2.58
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	3	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	3	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	3	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	5	2.58
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	5	2.58
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	5	2.58
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	5	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	5	2.58
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	5	2.58
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	3	2.58
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	3	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	3	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	3	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	3	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	3	2.58
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	5	2.58
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	5	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	5	2.58
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	5	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	5	2.58
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	5	2.58
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	6	2.58
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	6	2.58
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	6	2.58
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	6	2.58
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	6	2.58
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	6	2.58
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	7	2.58
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	7	2.58
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	7	2.58
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	7	2.58
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	7	2.58
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	7	2.58
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	6	2.58
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	6	2.58
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	6	2.58
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	6	2.58
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	6	2.58
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	6	2.58
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	7	2.58
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	7	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	7	2.58
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	7	2.58
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	7	2.58
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	7	2.58
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	6	2.58
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	6	2.58
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	6	2.58
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	6	2.58
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	6	2.58
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	6	2.58
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	7	2.58
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	7	2.58
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	7	2.58
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	7	2.58
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	7	2.58
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	7	2.58
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	6	2.58
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	6	2.58
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	6	2.58
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	6	2.58
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	6	2.58
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	6	2.58
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	7	2.58
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	7	2.58
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	7	2.58
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	7	2.58
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	7	2.58
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	7	2.58
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	6	2.58
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	6	2.58
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	6	2.58
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	6	2.58
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	6	2.58
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	6	2.58
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	7	2.58
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	7	2.58
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	7	2.58
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	7	2.58
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	7	2.58
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	7	2.58
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	14	2.56
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	14	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	14	2.56
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	14	2.56
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	14	2.56
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	14	2.56
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	14	2.56
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	14	2.56
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	14	2.56
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	14	2.56
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	14	2.56
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	14	2.56
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	14	2.56
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	14	2.56
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	14	2.56
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	14	2.56
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	14	2.56
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	14	2.56
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	14	2.56
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	14	2.56
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	14	2.56
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	14	2.56
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	14	2.56
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	14	2.56
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	14	2.56
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	14	2.56
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	14	2.56
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	14	2.56
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	14	2.56
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	14	2.56
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	4	2.56
(1,2355)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	4	2.56
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	4	2.56
(1,2355)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	4	2.56
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	4	2.56
(1,2355)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	4	2.56
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	4	2.56
(1,2354)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	4	2.56
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	4	2.56
(1,2354)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	4	2.56
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	4	2.56
(1,2354)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	4	2.56
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	4	2.56
(1,2353)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	4	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	4	2.56
(1,2353)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	4	2.56
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	4	2.56
(1,2353)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	4	2.56
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	4	2.56
(1,2352)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	4	2.56
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	4	2.56
(1,2352)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	4	2.56
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	4	2.56
(1,2352)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	4	2.56
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB2	4	2.56
(1,2351)	1:293:A:ILE:HG21	1:292:A:ASP:HB3	4	2.56
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB2	4	2.56
(1,2351)	1:293:A:ILE:HG22	1:292:A:ASP:HB3	4	2.56
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB2	4	2.56
(1,2351)	1:293:A:ILE:HG23	1:292:A:ASP:HB3	4	2.56
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	10	2.56
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	10	2.56
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	10	2.56
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	10	2.56
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	10	2.56
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	10	2.56
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	10	2.56
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	10	2.56
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	10	2.56
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	10	2.56
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	10	2.56
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	10	2.56
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	10	2.56
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	10	2.56
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	10	2.56
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	10	2.56
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	10	2.56
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	10	2.56
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	10	2.56
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	10	2.56
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	10	2.56
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	10	2.56
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	10	2.56
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	10	2.56
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	10	2.56
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	10	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	10	2.56
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	10	2.56
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	10	2.56
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	10	2.56
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	10	2.56
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	10	2.56
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	10	2.56
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	10	2.56
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	10	2.56
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	10	2.56
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	10	2.56
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	10	2.56
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	10	2.56
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	10	2.56
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	10	2.56
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	10	2.56
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	10	2.56
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	10	2.56
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	10	2.56
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.54
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.54
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.54
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.54
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.54
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.54
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.54
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.54
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	15	2.54
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	15	2.54
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	1	2.52
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	1	2.52
(1,2330)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	1	2.52
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	1	2.52
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	1	2.52
(1,2330)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	1	2.52
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	1	2.52
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	1	2.52
(1,2330)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	1	2.52
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	1	2.52
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	1	2.52
(1,2329)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	1	2.52
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	1	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	1	2.52
(1,2329)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	1	2.52
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	1	2.52
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	1	2.52
(1,2329)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	1	2.52
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	1	2.52
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	1	2.52
(1,2328)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	1	2.52
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	1	2.52
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	1	2.52
(1,2328)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	1	2.52
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	1	2.52
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	1	2.52
(1,2328)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	1	2.52
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	1	2.52
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	1	2.52
(1,2327)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	1	2.52
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	1	2.52
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	1	2.52
(1,2327)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	1	2.52
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	1	2.52
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	1	2.52
(1,2327)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	1	2.52
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB1	1	2.52
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB2	1	2.52
(1,2326)	1:254:A:VAL:HG21	1:256:A:ALA:HB3	1	2.52
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB1	1	2.52
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB2	1	2.52
(1,2326)	1:254:A:VAL:HG22	1:256:A:ALA:HB3	1	2.52
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB1	1	2.52
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB2	1	2.52
(1,2326)	1:254:A:VAL:HG23	1:256:A:ALA:HB3	1	2.52
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	6	2.52
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	6	2.52
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	6	2.52
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	6	2.52
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	6	2.52
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	6	2.52
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	6	2.52
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	6	2.52
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	6	2.52
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	6	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	6	2.52
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	6	2.52
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	6	2.52
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	6	2.52
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	6	2.52
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	6	2.52
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	6	2.52
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	6	2.52
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	6	2.52
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	6	2.52
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	6	2.52
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	6	2.52
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	6	2.52
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	6	2.52
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	6	2.52
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	6	2.52
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	6	2.52
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	6	2.52
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	6	2.52
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	6	2.52
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	6	2.52
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	6	2.52
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	6	2.52
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	6	2.52
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	6	2.52
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	6	2.52
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	6	2.52
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	6	2.52
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	6	2.52
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	6	2.52
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	6	2.52
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	6	2.52
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	6	2.52
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	6	2.52
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	6	2.52
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	13	2.49
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	13	2.49
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	13	2.49
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	13	2.49
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	13	2.49
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	13	2.49
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	13	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	13	2.49
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	13	2.49
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	13	2.49
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG2	10	2.48
(1,2390)	1:306:A:LEU:H	1:307:A:ARG:HG3	10	2.48
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG2	10	2.48
(1,2389)	1:306:A:LEU:H	1:307:A:ARG:HG3	10	2.48
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG2	10	2.48
(1,2388)	1:306:A:LEU:H	1:307:A:ARG:HG3	10	2.48
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG2	10	2.48
(1,2387)	1:306:A:LEU:H	1:307:A:ARG:HG3	10	2.48
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG2	10	2.48
(1,2386)	1:306:A:LEU:H	1:307:A:ARG:HG3	10	2.48
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	1	2.44
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	1	2.44
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	1	2.44
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	1	2.44
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	1	2.44
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	1	2.44
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	1	2.44
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	1	2.44
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	1	2.44
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	1	2.44
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	1	2.44
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	1	2.44
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	1	2.44
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	1	2.44
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	1	2.44
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	1	2.44
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	1	2.44
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	1	2.44
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	1	2.44
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	1	2.44
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	1	2.44
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	1	2.44
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	1	2.44
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	1	2.44
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	1	2.44
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	1	2.44
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	1	2.44
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	1	2.44
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	1	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	1	2.44
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	1	2.44
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	1	2.44
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	1	2.44
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	1	2.44
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	1	2.44
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	1	2.44
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	1	2.44
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	1	2.44
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	1	2.44
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	1	2.44
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	1	2.44
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	1	2.44
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	1	2.44
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	1	2.44
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	1	2.44
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	1	2.41
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	1	2.41
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	1	2.41
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	1	2.41
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	1	2.41
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	1	2.41
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	1	2.41
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	1	2.41
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	1	2.41
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	1	2.41
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	1	2.41
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	1	2.41
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	1	2.41
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	1	2.41
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	1	2.41
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	1	2.41
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	1	2.41
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	1	2.41
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	1	2.41
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	1	2.41
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	1	2.41
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	1	2.41
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	1	2.41
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	1	2.41
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	1	2.41
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	1	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	1	2.41
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	1	2.41
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	1	2.41
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	1	2.41
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	1	2.39
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	1	2.39
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	1	2.39
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	1	2.39
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	1	2.39
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	1	2.39
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	1	2.39
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	1	2.39
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	1	2.39
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	1	2.39
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	1	2.39
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	1	2.39
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	1	2.39
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	1	2.39
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	1	2.39
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	1	2.39
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	1	2.39
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	1	2.39
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	1	2.39
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	1	2.39
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	1	2.39
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	1	2.39
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	1	2.39
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	1	2.39
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	1	2.39
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	1	2.39
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	1	2.39
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	1	2.39
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	1	2.39
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	1	2.39
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	1	2.39
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	1	2.39
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	1	2.39
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	1	2.39
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	1	2.39
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	1	2.39
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	1	2.39
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	1	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	1	2.39
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	1	2.39
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	1	2.39
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	1	2.39
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	1	2.39
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	1	2.39
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	1	2.39
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	10	2.38
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	10	2.38
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	10	2.38
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	10	2.38
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	10	2.38
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	10	2.38
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	10	2.38
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	10	2.38
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	10	2.38
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	10	2.38
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	10	2.38
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	10	2.38
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	10	2.38
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	10	2.38
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	10	2.38
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	10	2.38
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	10	2.38
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	10	2.38
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	10	2.38
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	10	2.38
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	10	2.38
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	10	2.38
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	10	2.38
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	10	2.38
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	10	2.38
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	10	2.38
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	10	2.38
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	10	2.38
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	10	2.38
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	10	2.38
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	11	2.36
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	11	2.36
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	11	2.36
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	11	2.36
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	11	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	11	2.36
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	11	2.36
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	11	2.36
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	11	2.36
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	11	2.36
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	10	2.34
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	10	2.34
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	10	2.34
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	10	2.34
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	10	2.34
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	10	2.34
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	10	2.34
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	10	2.34
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	10	2.34
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	10	2.34
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	4	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	4	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	4	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	4	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	4	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	4	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	4	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	4	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	4	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	5	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	5	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	5	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	5	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	5	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	5	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	5	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	5	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	5	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	12	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	12	2.33
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	12	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	12	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	12	2.33
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	12	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	12	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	12	2.33
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	4	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	4	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	4	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	4	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	4	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	4	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	4	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	4	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	4	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	5	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	5	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	5	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	5	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	5	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	5	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	5	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	5	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	5	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	12	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	12	2.33
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	12	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	12	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	12	2.33
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	12	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	12	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	12	2.33
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	12	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	4	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	4	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	4	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	4	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	4	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	4	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	4	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	4	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	4	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	5	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	5	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	5	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	5	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	5	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	5	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	5	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	5	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	5	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	12	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	12	2.33
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	12	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	12	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	12	2.33
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	12	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	12	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	12	2.33
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	12	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	4	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	4	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	4	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	4	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	4	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	4	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	4	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	4	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	4	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	5	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	5	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	5	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	5	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	5	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	5	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	5	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	5	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	5	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	12	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	12	2.33
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	12	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	12	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	12	2.33
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	12	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	12	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	12	2.33
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	12	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	4	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	4	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	4	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	4	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	4	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	4	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	4	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	4	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	4	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	5	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	5	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	5	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	5	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	5	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	5	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	5	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	5	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	5	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	12	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	12	2.33
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	12	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	12	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	12	2.33
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	12	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	12	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	12	2.33
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	12	2.33
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	4	2.32
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	4	2.32
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	4	2.32
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	4	2.32
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	4	2.32
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	4	2.32
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	4	2.32
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	4	2.32
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	4	2.32
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	4	2.32
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	4	2.32
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	4	2.32
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	4	2.32
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	4	2.32
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	4	2.32
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	4	2.32
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	4	2.32
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	4	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	4	2.32
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	4	2.32
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	4	2.32
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	4	2.32
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	4	2.32
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	4	2.32
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	4	2.32
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	4	2.32
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	4	2.32
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	4	2.32
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	4	2.32
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	4	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	7	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	7	2.32
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	7	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	7	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	7	2.32
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	7	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	7	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	7	2.32
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	7	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	7	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	7	2.32
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	7	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	7	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	7	2.32
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	7	2.32
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	7	2.32
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	7	2.32
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	7	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	7	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	7	2.32
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	7	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	7	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	7	2.32
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	7	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	7	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	7	2.32
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	7	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	7	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	7	2.32
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	7	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	7	2.32
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	7	2.32
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	7	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	7	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	7	2.32
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	7	2.32
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	7	2.32
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	7	2.32
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	7	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	7	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	7	2.32
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	7	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	7	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	7	2.32
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	7	2.32
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	2	2.31
(1,2345)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	2	2.31
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	2	2.31
(1,2345)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	2	2.31
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	2	2.31
(1,2345)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	2	2.31
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	2	2.31
(1,2344)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	2	2.31
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	2	2.31
(1,2344)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	2	2.31
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	2	2.31
(1,2344)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	2	2.31
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	2	2.31
(1,2343)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	2	2.31
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	2	2.31
(1,2343)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	2	2.31
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	2	2.31
(1,2343)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	2	2.31
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	2	2.31
(1,2342)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	2	2.31
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	2	2.31
(1,2342)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	2	2.31
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	2	2.31
(1,2342)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	2	2.31
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE1	2	2.31
(1,2341)	1:293:A:ILE:HG21	1:296:A:TYR:HE2	2	2.31
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE1	2	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:293:A:ILE:HG22	1:296:A:TYR:HE2	2	2.31
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE1	2	2.31
(1,2341)	1:293:A:ILE:HG23	1:296:A:TYR:HE2	2	2.31
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	8	2.31
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	8	2.31
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	8	2.31
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	8	2.31
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	8	2.31
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	8	2.31
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	8	2.31
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	8	2.31
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	8	2.31
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	8	2.31
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	5	2.31
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	5	2.31
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	5	2.31
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	5	2.31
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	5	2.31
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	5	2.31
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	5	2.31
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	5	2.31
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	5	2.31
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	5	2.31
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	5	2.31
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	5	2.31
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	5	2.31
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	5	2.31
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	5	2.31
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	5	2.31
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	5	2.31
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	5	2.31
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	5	2.31
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	5	2.31
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	5	2.31
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	5	2.31
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	5	2.31
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	5	2.31
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	5	2.31
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	5	2.31
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	5	2.31
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	5	2.31
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	5	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	5	2.31
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	4	2.3
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	4	2.3
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	4	2.3
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	4	2.3
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	4	2.3
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	4	2.3
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	4	2.3
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	4	2.3
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	4	2.3
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	4	2.3
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	4	2.3
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	4	2.3
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	4	2.3
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	4	2.3
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	4	2.3
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	4	2.3
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	4	2.3
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	4	2.3
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	4	2.3
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	4	2.3
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	4	2.3
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	4	2.3
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	4	2.3
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	4	2.3
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	4	2.3
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	4	2.3
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	4	2.3
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	4	2.3
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	4	2.3
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	4	2.3
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	3	2.3
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	3	2.3
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	3	2.3
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	3	2.3
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	3	2.3
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	3	2.3
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	3	2.3
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	3	2.3
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	3	2.3
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	3	2.3
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	3	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	3	2.3
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	3	2.3
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	3	2.3
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	3	2.3
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	3	2.3
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	3	2.3
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	3	2.3
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	3	2.3
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	3	2.3
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	3	2.3
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	3	2.3
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	3	2.3
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	3	2.3
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	3	2.3
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	3	2.3
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	3	2.3
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	3	2.3
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	3	2.3
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	3	2.3
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	3	2.3
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	3	2.3
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	3	2.3
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	3	2.3
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	3	2.3
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	3	2.3
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	3	2.3
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	3	2.3
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	3	2.3
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	3	2.3
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	3	2.3
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	3	2.3
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	3	2.3
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	3	2.3
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	3	2.3
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	11	2.3
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	11	2.3
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	11	2.3
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	11	2.3
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	11	2.3
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	11	2.3
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	11	2.3
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	11	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	11	2.3
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	11	2.3
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	6	2.29
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	6	2.29
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	6	2.29
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	6	2.29
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	6	2.29
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	6	2.29
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	14	2.29
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	14	2.29
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	14	2.29
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	14	2.29
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	14	2.29
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	14	2.29
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	6	2.29
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	6	2.29
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	6	2.29
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	6	2.29
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	6	2.29
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	6	2.29
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	14	2.29
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	14	2.29
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	14	2.29
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	14	2.29
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	14	2.29
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	14	2.29
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	6	2.29
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	6	2.29
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	6	2.29
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	6	2.29
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	6	2.29
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	6	2.29
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	14	2.29
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	14	2.29
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	14	2.29
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	14	2.29
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	14	2.29
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	14	2.29
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	6	2.29
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	6	2.29
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	6	2.29
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	6	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	6	2.29
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	6	2.29
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	14	2.29
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	14	2.29
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	14	2.29
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	14	2.29
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	14	2.29
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	14	2.29
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	6	2.29
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	6	2.29
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	6	2.29
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	6	2.29
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	6	2.29
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	6	2.29
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	14	2.29
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	14	2.29
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	14	2.29
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	14	2.29
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	14	2.29
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	14	2.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	2	2.29
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	2	2.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	2	2.29
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	2	2.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	2	2.29
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	2	2.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	2	2.29
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	2	2.29
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	2	2.29
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	2	2.29
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	10	2.28
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	10	2.28
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	10	2.28
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	10	2.28
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	10	2.28
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	10	2.28
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	10	2.28
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	10	2.28
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	10	2.28
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	10	2.28
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	10	2.28
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	10	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	10	2.28
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	10	2.28
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	10	2.28
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	10	2.28
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	10	2.28
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	10	2.28
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	10	2.28
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	10	2.28
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	10	2.28
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	10	2.28
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	10	2.28
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	10	2.28
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	10	2.28
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	10	2.28
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	10	2.28
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	10	2.28
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	10	2.28
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	10	2.28
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	7	2.27
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	7	2.27
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	7	2.27
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	7	2.27
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	7	2.27
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	7	2.27
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	7	2.27
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	7	2.27
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	7	2.27
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	7	2.27
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	7	2.27
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	7	2.27
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	7	2.27
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	7	2.27
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	7	2.27
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	7	2.27
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	7	2.27
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	7	2.27
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	7	2.27
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	7	2.27
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	7	2.27
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	7	2.27
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	7	2.27
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	7	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	7	2.27
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	7	2.27
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	7	2.27
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	7	2.27
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	7	2.27
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	7	2.27
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.27
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.27
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.27
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.27
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.27
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.27
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.27
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.27
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.27
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.27
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.27
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.27
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.27
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.27
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.27
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.27
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.27
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.27
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.27
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.27
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.27
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.27
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.27
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.27
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.27
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.27
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.27
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.27
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.27
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.27
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.27
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.27
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.27
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.27
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.27
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	15	2.27
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	15	2.27
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	15	2.27
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	15	2.27
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	15	2.27
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	15	2.27
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	15	2.27
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	15	2.27
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	15	2.27
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	11	2.25
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	11	2.25
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	11	2.25
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	11	2.25
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	11	2.25
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	11	2.25
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	11	2.25
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	11	2.25
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	11	2.25
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	11	2.25
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	11	2.25
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	11	2.25
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	11	2.25
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	11	2.25
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	11	2.25
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	11	2.25
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	11	2.25
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	11	2.25
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	11	2.25
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	11	2.25
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	11	2.25
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	11	2.25
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	11	2.25
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	11	2.25
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	11	2.25
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	11	2.25
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	11	2.25
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	11	2.25
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	11	2.25
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	11	2.25
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	2	2.24
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	2	2.24
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	2	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	2	2.24
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	2	2.24
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	2	2.24
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	2	2.24
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	2	2.24
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	2	2.24
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	2	2.24
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	2	2.24
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	2	2.24
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	2	2.24
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	2	2.24
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	2	2.24
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	2	2.24
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	2	2.24
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	2	2.24
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	2	2.24
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	2	2.24
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	2	2.24
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	2	2.24
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	2	2.24
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	2	2.24
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	2	2.24
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	2	2.24
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	2	2.24
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	2	2.24
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	2	2.24
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	2	2.24
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	2	2.24
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	2	2.24
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	2	2.24
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	2	2.24
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	2	2.24
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	2	2.24
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	2	2.24
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	2	2.24
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	2	2.24
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	2	2.24
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	2	2.24
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	2	2.24
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	2	2.24
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	2	2.24
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	2	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	13	2.23
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	13	2.23
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	13	2.23
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	13	2.23
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	13	2.23
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	13	2.23
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	13	2.23
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	13	2.23
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	13	2.23
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	13	2.23
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	13	2.23
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	13	2.23
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	13	2.23
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	13	2.23
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	13	2.23
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	13	2.23
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	13	2.23
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	13	2.23
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	13	2.23
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	13	2.23
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	13	2.23
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	13	2.23
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	13	2.23
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	13	2.23
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	13	2.23
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	13	2.23
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	13	2.23
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	13	2.23
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	13	2.23
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	13	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	3	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	3	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	3	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	3	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	3	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	3	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	13	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	13	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	13	2.23
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	13	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	13	2.23
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	13	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	3	2.23
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	3	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	3	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	3	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	3	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	3	2.23
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	13	2.23
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	13	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	13	2.23
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	13	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	13	2.23
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	13	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	3	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	3	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	3	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	3	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	3	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	3	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	13	2.23
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	13	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	13	2.23
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	13	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	13	2.23
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	13	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	3	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	3	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	3	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	3	2.23
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	3	2.23
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	3	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	13	2.23
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	13	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	13	2.23
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	13	2.23
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	13	2.23
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	13	2.23
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	3	2.23
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	3	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	3	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	3	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	3	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	3	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	13	2.23
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	13	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	13	2.23
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	13	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	13	2.23
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	13	2.23
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	1	2.22
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	1	2.22
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	1	2.22
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	1	2.22
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	1	2.22
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	1	2.22
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	8	2.22
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	8	2.22
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	8	2.22
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	8	2.22
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	8	2.22
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	8	2.22
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	1	2.22
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	1	2.22
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	1	2.22
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	1	2.22
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	1	2.22
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	1	2.22
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	8	2.22
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	8	2.22
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	8	2.22
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	8	2.22
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	8	2.22
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	8	2.22
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	1	2.22
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	1	2.22
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	1	2.22
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	1	2.22
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	1	2.22
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	1	2.22
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	8	2.22
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	8	2.22
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	8	2.22
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	8	2.22
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	8	2.22
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	8	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	1	2.22
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	1	2.22
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	1	2.22
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	1	2.22
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	1	2.22
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	1	2.22
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	8	2.22
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	8	2.22
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	8	2.22
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	8	2.22
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	8	2.22
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	8	2.22
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	1	2.22
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	1	2.22
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	1	2.22
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	1	2.22
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	1	2.22
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	1	2.22
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	8	2.22
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	8	2.22
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	8	2.22
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	8	2.22
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	8	2.22
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	8	2.22
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.21
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.21
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.21
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.21
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.21
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.21
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.21
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.21
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	15	2.21
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	15	2.21
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	10	2.2
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	10	2.2
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	10	2.2
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	10	2.2
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	10	2.2
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	10	2.2
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	10	2.2
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	10	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	10	2.2
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	10	2.2
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	10	2.2
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	10	2.2
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	10	2.2
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	10	2.2
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	10	2.2
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	10	2.2
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	10	2.2
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	10	2.2
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	10	2.2
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	10	2.2
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	10	2.2
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	10	2.2
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	10	2.2
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	10	2.2
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	10	2.2
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	10	2.2
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	10	2.2
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	10	2.2
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	10	2.2
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	10	2.2
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	1	2.2
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	1	2.2
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	1	2.2
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	1	2.2
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	1	2.2
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	1	2.2
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	1	2.2
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	1	2.2
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	1	2.2
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	1	2.2
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	11	2.17
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	11	2.17
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	11	2.17
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	11	2.17
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	11	2.17
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	11	2.17
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	11	2.17
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	11	2.17
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	11	2.17
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	11	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	11	2.17
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	11	2.17
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	11	2.17
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	11	2.17
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	11	2.17
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	11	2.17
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	11	2.17
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	11	2.17
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	11	2.17
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	11	2.17
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	11	2.17
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	11	2.17
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	11	2.17
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	11	2.17
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	11	2.17
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	11	2.17
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	11	2.17
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	11	2.17
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	11	2.17
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	11	2.17
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	4	2.17
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	4	2.17
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	4	2.17
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	4	2.17
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	4	2.17
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	4	2.17
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	4	2.17
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	4	2.17
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	4	2.17
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	4	2.17
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	12	2.16
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	12	2.16
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	12	2.16
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	12	2.16
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	12	2.16
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	12	2.16
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	12	2.16
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	12	2.16
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	12	2.16
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	12	2.16
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	12	2.16
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	12	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	12	2.16
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	12	2.16
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	12	2.16
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	12	2.16
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	12	2.16
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	12	2.16
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	12	2.16
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	12	2.16
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	12	2.16
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	12	2.16
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	12	2.16
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	12	2.16
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	12	2.16
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	12	2.16
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	12	2.16
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	12	2.16
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	12	2.16
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	12	2.16
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	14	2.14
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	14	2.14
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	14	2.14
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	14	2.14
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	14	2.14
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	14	2.14
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	14	2.14
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	14	2.14
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	14	2.14
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	14	2.14
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.13
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.13
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.13
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.13
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.13
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.13
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.13
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.13
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.13
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.13
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.13
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.13
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.13
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.13
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.13
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.13
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.13
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.13
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.13
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.13
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.13
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.13
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.13
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	15	2.13
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	15	2.13
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	15	2.13
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	15	2.13
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	15	2.13
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	15	2.13
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	2	2.12
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	2	2.12
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	2	2.12
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	2	2.12
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	2	2.12
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	2	2.12
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	2	2.12
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	2	2.12
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	2	2.12
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	2	2.12
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	2	2.12
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	2	2.12
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	2	2.12
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	2	2.12
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	2	2.12
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	2	2.12
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	2	2.12
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	2	2.12
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	2	2.12
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	2	2.12
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	2	2.12
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	2	2.12
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	2	2.12
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	2	2.12
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	2	2.12
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	2	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	2	2.12
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	2	2.12
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	2	2.12
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	2	2.12
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	14	2.1
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	14	2.1
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	14	2.1
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	14	2.1
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	14	2.1
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	14	2.1
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	14	2.1
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	14	2.1
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	14	2.1
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	14	2.1
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	9	2.09
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	9	2.09
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	9	2.09
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	9	2.09
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	9	2.09
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	9	2.09
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	9	2.09
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	9	2.09
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	9	2.09
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	9	2.09
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	4	2.08
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	4	2.08
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	4	2.08
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	4	2.08
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	4	2.08
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	4	2.08
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	4	2.08
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	4	2.08
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	4	2.08
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	4	2.08
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	9	2.07
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	9	2.07
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	9	2.07
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	9	2.07
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	9	2.07
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	9	2.07
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	9	2.07
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	9	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	9	2.07
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	9	2.07
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE1	11	2.06
(1,2295)	1:246:A:THR:HG21	1:248:A:PHE:HE2	11	2.06
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE1	11	2.06
(1,2295)	1:246:A:THR:HG22	1:248:A:PHE:HE2	11	2.06
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE1	11	2.06
(1,2295)	1:246:A:THR:HG23	1:248:A:PHE:HE2	11	2.06
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE1	11	2.06
(1,2294)	1:246:A:THR:HG21	1:248:A:PHE:HE2	11	2.06
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE1	11	2.06
(1,2294)	1:246:A:THR:HG22	1:248:A:PHE:HE2	11	2.06
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE1	11	2.06
(1,2294)	1:246:A:THR:HG23	1:248:A:PHE:HE2	11	2.06
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE1	11	2.06
(1,2293)	1:246:A:THR:HG21	1:248:A:PHE:HE2	11	2.06
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE1	11	2.06
(1,2293)	1:246:A:THR:HG22	1:248:A:PHE:HE2	11	2.06
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE1	11	2.06
(1,2293)	1:246:A:THR:HG23	1:248:A:PHE:HE2	11	2.06
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE1	11	2.06
(1,2292)	1:246:A:THR:HG21	1:248:A:PHE:HE2	11	2.06
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE1	11	2.06
(1,2292)	1:246:A:THR:HG22	1:248:A:PHE:HE2	11	2.06
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE1	11	2.06
(1,2292)	1:246:A:THR:HG23	1:248:A:PHE:HE2	11	2.06
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE1	11	2.06
(1,2291)	1:246:A:THR:HG21	1:248:A:PHE:HE2	11	2.06
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE1	11	2.06
(1,2291)	1:246:A:THR:HG22	1:248:A:PHE:HE2	11	2.06
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE1	11	2.06
(1,2291)	1:246:A:THR:HG23	1:248:A:PHE:HE2	11	2.06
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	10	2.05
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	10	2.05
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	10	2.05
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	10	2.05
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	10	2.05
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	9	2.05
(1,2335)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	9	2.05
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	9	2.05
(1,2335)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	9	2.05
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	9	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2335)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	9	2.05
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	9	2.05
(1,2334)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	9	2.05
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	9	2.05
(1,2334)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	9	2.05
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	9	2.05
(1,2334)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	9	2.05
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	9	2.05
(1,2333)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	9	2.05
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	9	2.05
(1,2333)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	9	2.05
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	9	2.05
(1,2333)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	9	2.05
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	9	2.05
(1,2332)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	9	2.05
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	9	2.05
(1,2332)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	9	2.05
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	9	2.05
(1,2332)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	9	2.05
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB2	9	2.05
(1,2331)	1:256:A:ALA:HB1	1:258:A:PHE:HB3	9	2.05
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB2	9	2.05
(1,2331)	1:256:A:ALA:HB2	1:258:A:PHE:HB3	9	2.05
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB2	9	2.05
(1,2331)	1:256:A:ALA:HB3	1:258:A:PHE:HB3	9	2.05
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	7	2.05
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	7	2.05
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	7	2.05
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	7	2.05
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	7	2.05
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	7	2.05
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	7	2.05
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	7	2.05
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	7	2.05
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	7	2.05
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	1	2.03
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	1	2.03
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	1	2.03
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	1	2.03
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	1	2.03
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	1	2.03
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	1	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	1	2.03
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	1	2.03
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	1	2.03
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	6	2.02
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	6	2.02
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	6	2.02
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	6	2.02
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	6	2.02
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	6	2.02
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	6	2.02
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	6	2.02
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	6	2.02
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	6	2.02
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	6	2.02
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	6	2.02
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	6	2.02
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	6	2.02
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	6	2.02
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	6	2.02
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	6	2.02
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	6	2.02
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	6	2.02
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	6	2.02
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	6	2.02
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	6	2.02
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	6	2.02
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	6	2.02
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	6	2.02
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	6	2.02
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	6	2.02
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	6	2.02
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	6	2.02
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	6	2.02
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	6	2.02
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	6	2.02
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	6	2.02
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	6	2.02
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	6	2.02
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	6	2.02
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	6	2.02
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	6	2.02
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	6	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	6	2.02
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	6	2.02
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	6	2.02
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	6	2.02
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	6	2.02
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	6	2.02
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	3	2.02
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	3	2.02
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	3	2.02
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	3	2.02
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	3	2.02
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	3	2.02
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	3	2.02
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	3	2.02
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	3	2.02
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	3	2.02
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	12	2.01
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	12	2.01
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	12	2.01
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	12	2.01
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	12	2.01
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	1	2.01
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	1	2.01
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	1	2.01
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	1	2.01
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	1	2.01
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	1	2.01
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	1	2.01
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	1	2.01
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	1	2.01
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	1	2.01
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	12	2.01
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	12	2.01
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	12	2.01
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	12	2.01
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	12	2.01
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	2	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	2	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	5	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	5	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	13	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	13	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	2	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	2	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	5	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	5	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	13	1.99
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	13	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	2	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	2	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	5	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	5	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	13	1.99
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	13	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	2	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	2	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	5	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	5	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	13	1.99
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	13	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	2	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	2	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	5	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	5	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	13	1.99
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	13	1.99
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	8	1.98
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	8	1.98
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	12	1.98
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	12	1.98
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	8	1.98
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	8	1.98
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	12	1.98
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	12	1.98
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	8	1.98
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	8	1.98
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	12	1.98
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	12	1.98
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	8	1.98
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	8	1.98
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	12	1.98
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	12	1.98
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	8	1.98
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	8	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	12	1.98
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	12	1.98
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	10	1.97
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	10	1.97
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	10	1.97
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	10	1.97
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	10	1.97
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	10	1.97
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	10	1.97
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	10	1.97
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	10	1.97
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	10	1.97
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	11	1.97
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	11	1.97
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	11	1.97
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	11	1.97
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	11	1.97
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	11	1.97
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	11	1.97
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	11	1.97
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	11	1.97
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	11	1.97
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	2	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	2	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	6	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	6	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	2	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	2	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	6	1.95
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	6	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	2	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	2	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	6	1.95
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	6	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	2	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	2	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	6	1.95
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	6	1.95
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	2	1.95
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	2	1.95
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	6	1.95
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	4	1.95
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	4	1.95
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	10	1.95
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	10	1.95
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	15	1.95
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	15	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	4	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	4	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	10	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	10	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	15	1.95
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	15	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	4	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	4	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	10	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	10	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	15	1.95
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	15	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	4	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	4	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	10	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	10	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	15	1.95
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	15	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	4	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	4	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	10	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	10	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	15	1.95
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	15	1.95
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	5	1.94
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	5	1.94
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	5	1.94
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	5	1.94
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	5	1.94
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	5	1.94
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	5	1.94
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	5	1.94
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	5	1.94
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	5	1.94
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	5	1.94
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	5	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	5	1.94
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	5	1.94
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	5	1.94
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	5	1.94
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	5	1.94
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	5	1.94
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	5	1.94
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	5	1.94
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	5	1.94
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	5	1.94
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	5	1.94
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	5	1.94
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	5	1.94
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	5	1.94
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	5	1.94
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	5	1.94
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	5	1.94
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	5	1.94
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	5	1.94
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	5	1.94
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	5	1.94
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	5	1.94
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	5	1.94
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	5	1.94
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	5	1.94
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	5	1.94
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	5	1.94
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	5	1.94
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	1	1.94
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	1	1.94
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	1	1.94
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	1	1.94
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	1	1.94
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	13	1.93
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	13	1.93
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	13	1.93
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	13	1.93
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	13	1.93
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	13	1.93
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	13	1.93
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	13	1.93
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	13	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	13	1.93
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD1	6	1.93
(1,2300)	1:250:A:THR:H	1:251:A:TYR:HD2	6	1.93
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD1	6	1.93
(1,2299)	1:250:A:THR:H	1:251:A:TYR:HD2	6	1.93
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD1	6	1.93
(1,2298)	1:250:A:THR:H	1:251:A:TYR:HD2	6	1.93
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD1	6	1.93
(1,2297)	1:250:A:THR:H	1:251:A:TYR:HD2	6	1.93
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD1	6	1.93
(1,2296)	1:250:A:THR:H	1:251:A:TYR:HD2	6	1.93
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	2	1.93
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	9	1.93
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	2	1.93
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	9	1.93
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	2	1.93
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	9	1.93
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	2	1.93
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	9	1.93
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	2	1.93
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	9	1.93
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	14	1.92
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	14	1.92
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	14	1.92
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	14	1.92
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	14	1.92
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	14	1.92
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	14	1.92
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	14	1.92
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	14	1.92
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	14	1.92
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	12	1.9
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	12	1.9
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	12	1.9
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	12	1.9
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	12	1.9
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	12	1.9
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	12	1.9
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	12	1.9
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	12	1.9
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	12	1.9
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	1.89
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	1.89
(1,2370)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	1.89
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	1.89
(1,2370)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	1.89
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	1.89
(1,2369)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	1.89
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	1.89
(1,2369)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	1.89
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	1.89
(1,2369)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	1.89
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	1.89
(1,2368)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	1.89
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	1.89
(1,2368)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	1.89
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	1.89
(1,2368)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	1.89
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	1.89
(1,2367)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	1.89
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	1.89
(1,2367)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	1.89
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	1.89
(1,2367)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	1.89
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD21	15	1.89
(1,2366)	1:299:A:LEU:HD21	1:297:A:ASN:HD22	15	1.89
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD21	15	1.89
(1,2366)	1:299:A:LEU:HD22	1:297:A:ASN:HD22	15	1.89
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD21	15	1.89
(1,2366)	1:299:A:LEU:HD23	1:297:A:ASN:HD22	15	1.89
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	3	1.89
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	3	1.89
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	3	1.89
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	3	1.89
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	3	1.89
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	3	1.89
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	3	1.89
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	3	1.89
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	3	1.89
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	3	1.89
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	5	1.89
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	5	1.89
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	5	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	5	1.89
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	5	1.89
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	5	1.89
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	5	1.89
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	5	1.89
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	5	1.89
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	5	1.89
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	6	1.88
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	6	1.88
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	6	1.88
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	6	1.88
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	6	1.88
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	6	1.88
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	6	1.88
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	6	1.88
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	6	1.88
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	6	1.88
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	6	1.88
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	6	1.88
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	6	1.88
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	6	1.88
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	6	1.88
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	6	1.88
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	6	1.88
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	6	1.88
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	6	1.88
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	6	1.88
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	6	1.88
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	6	1.88
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	6	1.88
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	6	1.88
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	6	1.88
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	6	1.88
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	6	1.88
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	6	1.88
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	6	1.88
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	6	1.88
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	8	1.88
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	8	1.88
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	8	1.88
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	8	1.88
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	8	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	9	1.87
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	9	1.87
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	9	1.87
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	9	1.87
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	9	1.87
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	9	1.87
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	9	1.87
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	9	1.87
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	9	1.87
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	9	1.87
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	3	1.86
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	3	1.86
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	3	1.86
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	3	1.86
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	3	1.86
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	12	1.86
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	12	1.86
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	12	1.86
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	12	1.86
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	12	1.86
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	12	1.86
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	12	1.86
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	12	1.86
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	12	1.86
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	12	1.86
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	2	1.86
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	2	1.86
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	2	1.86
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	2	1.86
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	2	1.86
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	2	1.86
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	2	1.86
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	2	1.86
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	2	1.86
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	2	1.86
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	2	1.86
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	2	1.86
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	2	1.86
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	2	1.86
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	2	1.86
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	12	1.85
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	12	1.85
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	12	1.85
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	12	1.85
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	12	1.85
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	12	1.85
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	12	1.85
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	12	1.85
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	12	1.85
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	12	1.83
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	12	1.83
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	12	1.83
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	12	1.83
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	12	1.83
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	12	1.83
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	12	1.83
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	12	1.83
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	12	1.83
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	12	1.83
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	10	1.83
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	10	1.83
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	10	1.83
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	10	1.83
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	10	1.83
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	10	1.83
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	10	1.83
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	10	1.83
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	10	1.83
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	10	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	4	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	4	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	4	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	4	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	4	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	4	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	4	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	4	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	4	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	5	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	5	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	5	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	5	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	5	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	5	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	5	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	5	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	12	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	12	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	12	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	12	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	12	1.83
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	12	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	12	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	12	1.83
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	12	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	4	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	4	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	4	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	4	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	4	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	4	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	4	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	4	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	4	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	5	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	5	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	5	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	5	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	5	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	5	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	5	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	5	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	5	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	12	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	12	1.83
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	12	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	12	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	12	1.83
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	12	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	12	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	12	1.83
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	12	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	4	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	4	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	4	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	4	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	4	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	4	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	4	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	4	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	4	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	5	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	5	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	5	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	5	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	5	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	5	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	5	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	5	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	5	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	12	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	12	1.83
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	12	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	12	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	12	1.83
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	12	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	12	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	12	1.83
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	12	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	4	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	4	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	4	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	4	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	4	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	4	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	4	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	4	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	4	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	5	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	5	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	5	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	5	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	5	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	5	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	5	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	5	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	12	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	12	1.83
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	12	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	12	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	12	1.83
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	12	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	12	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	12	1.83
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	12	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	4	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	4	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	4	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	4	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	4	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	4	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	4	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	4	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	4	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	5	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	5	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	5	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	5	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	5	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	5	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	5	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	5	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	5	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	12	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	12	1.83
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	12	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	12	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	12	1.83
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	12	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	12	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	12	1.83
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	12	1.83
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	7	1.82
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	7	1.82
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	7	1.82
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	7	1.82
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	7	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	7	1.82
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	7	1.82
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	7	1.82
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	7	1.82
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	7	1.82
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	7	1.82
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	7	1.82
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	7	1.82
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	7	1.82
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	7	1.82
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	7	1.82
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	7	1.82
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	7	1.82
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	7	1.82
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	7	1.82
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	7	1.82
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	7	1.82
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	7	1.82
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	7	1.82
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	7	1.82
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	7	1.82
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	7	1.82
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	7	1.82
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	7	1.82
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	7	1.82
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	7	1.82
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	7	1.82
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	7	1.82
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	7	1.82
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	7	1.82
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	7	1.82
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	7	1.82
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	7	1.82
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	7	1.82
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	7	1.82
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	7	1.82
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	7	1.82
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	7	1.82
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	7	1.82
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	7	1.82
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	11	1.82
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	11	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	11	1.82
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	11	1.82
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	11	1.82
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	13	1.81
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	13	1.81
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	13	1.81
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	13	1.81
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	13	1.81
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	13	1.81
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	13	1.81
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	13	1.81
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	13	1.81
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	13	1.81
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	13	1.8
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	13	1.8
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	13	1.8
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	13	1.8
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	13	1.8
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	13	1.8
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	13	1.8
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	13	1.8
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	13	1.8
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	13	1.8
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	3	1.8
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	3	1.8
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	3	1.8
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	3	1.8
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	3	1.8
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	3	1.8
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	3	1.8
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	3	1.8
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	3	1.8
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	3	1.8
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	3	1.8
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	3	1.8
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	3	1.8
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	3	1.8
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	3	1.8
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	3	1.8
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	3	1.8
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	3	1.8
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	3	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	3	1.8
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	3	1.8
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	3	1.8
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	3	1.8
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	3	1.8
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	3	1.8
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	3	1.8
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	3	1.8
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	3	1.8
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	3	1.8
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	3	1.8
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	3	1.8
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	3	1.8
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	3	1.8
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	3	1.8
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	3	1.8
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	3	1.8
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	3	1.8
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	3	1.8
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	3	1.8
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	3	1.8
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	3	1.8
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	3	1.8
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	3	1.8
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	3	1.8
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	3	1.8
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	6	1.8
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	6	1.8
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	6	1.8
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	6	1.8
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	6	1.8
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	4	1.79
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	4	1.79
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	4	1.79
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	4	1.79
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	4	1.79
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	4	1.79
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	4	1.79
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	4	1.79
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	4	1.79
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	4	1.79
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	4	1.79
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	4	1.79
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	4	1.79
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	4	1.79
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	4	1.78
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	4	1.78
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	4	1.78
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	4	1.78
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	4	1.78
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	4	1.78
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	4	1.78
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	4	1.78
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	4	1.78
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	4	1.78
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	10	1.78
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	10	1.78
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	10	1.78
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	10	1.78
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	10	1.78
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	10	1.78
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	10	1.78
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	10	1.78
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	10	1.78
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	10	1.78
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	10	1.78
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	10	1.78
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	10	1.78
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	10	1.78
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	10	1.78
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	15	1.77
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	15	1.77
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	15	1.77
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	15	1.77
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	15	1.77
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	15	1.77
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	15	1.77
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	15	1.77
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	15	1.77
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	15	1.77
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	15	1.77
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	15	1.77
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	15	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	15	1.77
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	15	1.77
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	15	1.77
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	15	1.77
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	15	1.77
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	15	1.77
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	15	1.77
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	15	1.77
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	15	1.77
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	15	1.77
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	15	1.77
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	15	1.77
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	15	1.77
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	15	1.77
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	15	1.77
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	15	1.77
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	15	1.77
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	15	1.77
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	15	1.77
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	15	1.77
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	15	1.77
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	15	1.77
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	15	1.77
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	15	1.77
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	15	1.77
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	15	1.77
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	15	1.77
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	15	1.77
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	15	1.77
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	15	1.77
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	15	1.77
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	15	1.77
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	12	1.76
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	12	1.76
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	12	1.76
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	12	1.76
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	12	1.76
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	12	1.76
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	12	1.76
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	12	1.76
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	12	1.76
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	12	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	12	1.76
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	12	1.76
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	12	1.76
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	12	1.76
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	12	1.76
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.76
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.76
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.76
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.76
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	15	1.76
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	5	1.75
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	5	1.75
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	5	1.75
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	5	1.75
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	5	1.75
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	6	1.74
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	6	1.74
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	6	1.74
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	6	1.74
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	6	1.74
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	8	1.74
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	8	1.74
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	8	1.74
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	8	1.74
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	8	1.74
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	8	1.74
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	8	1.74
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	8	1.74
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	8	1.74
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	8	1.74
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	2	1.74
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	2	1.74
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	2	1.74
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	2	1.74
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	2	1.74
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	2	1.74
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	2	1.74
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	2	1.74
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	2	1.74
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	2	1.74
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	2	1.74
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	2	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	2	1.74
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	2	1.74
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	2	1.74
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	2	1.74
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	2	1.74
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	2	1.74
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	2	1.74
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	2	1.74
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	2	1.74
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	2	1.74
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	2	1.74
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	2	1.74
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	2	1.74
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	2	1.74
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	2	1.74
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	2	1.74
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	2	1.74
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	2	1.74
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	2	1.74
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	2	1.74
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	2	1.74
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	2	1.74
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	2	1.74
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	2	1.74
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	2	1.74
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	2	1.74
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	2	1.74
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	2	1.74
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	2	1.74
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	2	1.74
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	2	1.74
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	2	1.74
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	2	1.74
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	9	1.74
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	9	1.74
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	9	1.74
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	9	1.74
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	9	1.74
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	9	1.74
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	9	1.74
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	9	1.74
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	9	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	9	1.74
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	9	1.74
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	9	1.74
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	9	1.74
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	9	1.74
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	9	1.74
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	14	1.74
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	14	1.74
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	14	1.74
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	14	1.74
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	14	1.74
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE1	7	1.73
(1,2340)	1:265:A:GLN:H	1:291:A:PHE:HE2	7	1.73
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE1	7	1.73
(1,2339)	1:265:A:GLN:H	1:291:A:PHE:HE2	7	1.73
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE1	7	1.73
(1,2338)	1:265:A:GLN:H	1:291:A:PHE:HE2	7	1.73
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE1	7	1.73
(1,2337)	1:265:A:GLN:H	1:291:A:PHE:HE2	7	1.73
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE1	7	1.73
(1,2336)	1:265:A:GLN:H	1:291:A:PHE:HE2	7	1.73
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	14	1.73
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	14	1.73
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	14	1.73
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	14	1.73
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	14	1.73
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	14	1.73
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	14	1.73
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	14	1.73
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	14	1.73
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	14	1.73
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	14	1.73
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	14	1.73
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	14	1.73
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	14	1.73
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	14	1.73
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	3	1.73
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	3	1.73
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	3	1.73
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	3	1.73
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	3	1.73
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	10	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	10	1.72
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	10	1.72
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	10	1.72
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	10	1.72
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	13	1.71
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	13	1.71
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	13	1.71
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	13	1.71
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	13	1.71
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	13	1.71
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	13	1.71
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	13	1.71
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	13	1.71
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	13	1.71
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	13	1.71
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	13	1.71
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	13	1.71
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	13	1.71
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	13	1.71
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	13	1.7
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	13	1.7
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	13	1.7
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	13	1.7
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	13	1.7
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE1	9	1.69
(1,2280)	1:243:A:GLU:H	1:247:A:TYR:HE2	9	1.69
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE1	9	1.69
(1,2279)	1:243:A:GLU:H	1:247:A:TYR:HE2	9	1.69
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE1	9	1.69
(1,2278)	1:243:A:GLU:H	1:247:A:TYR:HE2	9	1.69
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE1	9	1.69
(1,2277)	1:243:A:GLU:H	1:247:A:TYR:HE2	9	1.69
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE1	9	1.69
(1,2276)	1:243:A:GLU:H	1:247:A:TYR:HE2	9	1.69
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	2	1.68
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	2	1.68
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	2	1.68
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	2	1.68
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	2	1.68
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	2	1.68
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	2	1.68
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	2	1.68
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	2	1.68
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	9	1.68
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	9	1.68
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	9	1.68
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	9	1.68
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	9	1.68
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	9	1.68
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	9	1.68
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	9	1.68
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	9	1.68
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	9	1.68
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	9	1.68
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	9	1.68
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	9	1.68
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	9	1.68
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	9	1.68
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	9	1.68
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	9	1.68
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	9	1.68
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	9	1.68
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	9	1.68
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	9	1.68
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	9	1.68
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	9	1.68
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	9	1.68
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	9	1.68
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	9	1.68
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	9	1.68
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	9	1.68
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	9	1.68
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	9	1.68
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	9	1.68
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	9	1.68
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	9	1.68
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	9	1.68
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	9	1.68
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	9	1.68
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	9	1.68
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	9	1.68
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	9	1.68
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	9	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	9	1.68
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	9	1.68
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	9	1.68
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	9	1.68
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	9	1.68
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	1	1.68
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	1	1.68
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	1	1.68
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	1	1.68
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	1	1.68
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	1	1.68
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	1	1.68
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	1	1.68
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	1	1.68
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	1	1.68
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	1	1.68
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	1	1.68
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	1	1.68
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	1	1.68
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	1	1.68
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	7	1.68
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	7	1.68
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	7	1.68
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	7	1.68
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	7	1.68
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	3	1.66
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	3	1.66
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	3	1.66
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	3	1.66
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	3	1.66
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	3	1.66
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	3	1.66
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	3	1.66
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	3	1.66
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	3	1.66
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	13	1.66
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	13	1.66
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	13	1.66
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	13	1.66
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	13	1.66
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	13	1.66
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	13	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	13	1.66
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	13	1.66
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	13	1.66
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	13	1.66
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	13	1.66
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	13	1.66
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	13	1.66
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	13	1.66
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	13	1.66
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	13	1.66
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	13	1.66
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	13	1.66
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	13	1.66
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	13	1.66
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	13	1.66
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	13	1.66
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	13	1.66
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	13	1.66
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	13	1.66
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	13	1.66
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	13	1.66
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	13	1.66
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	13	1.66
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	11	1.65
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	11	1.65
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	11	1.65
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	11	1.65
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	11	1.65
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	11	1.65
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	11	1.65
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	11	1.65
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	11	1.65
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	11	1.65
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	11	1.65
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	11	1.65
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	11	1.65
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	11	1.65
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	11	1.65
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	5	1.63
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	5	1.63
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	5	1.63
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	6	1.63
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	6	1.63
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	5	1.63
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	5	1.63
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	5	1.63
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	6	1.63
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	6	1.63
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	6	1.63
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	5	1.63
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	5	1.63
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	5	1.63
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	6	1.63
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	6	1.63
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	6	1.63
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	5	1.63
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	5	1.63
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	5	1.63
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	6	1.63
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	6	1.63
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	6	1.63
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	5	1.63
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	5	1.63
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	5	1.63
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	6	1.63
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	6	1.63
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	6	1.63
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	9	1.62
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	9	1.62
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	9	1.62
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	9	1.62
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	9	1.62
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	9	1.62
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	9	1.62
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	9	1.62
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	9	1.62
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	9	1.62
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	2	1.61
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	2	1.61
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	2	1.61
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	2	1.61
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	2	1.61
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	2	1.61
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	2	1.61
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	2	1.61
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	2	1.61
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	2	1.61
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	2	1.61
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	2	1.61
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	2	1.61
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	2	1.61
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	2	1.61
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	2	1.61
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	2	1.61
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	2	1.61
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	2	1.61
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	2	1.61
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	2	1.61
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	2	1.61
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	2	1.61
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	2	1.61
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	2	1.61
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	2	1.61
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	2	1.61
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	2	1.61
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	2	1.61
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	2	1.61
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	2	1.61
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	2	1.61
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	2	1.61
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	2	1.61
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	2	1.61
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	2	1.61
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	2	1.61
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	2	1.61
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	2	1.61
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	2	1.61
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	2	1.61
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	2	1.61
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	2	1.61
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	2	1.61
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	4	1.6
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	4	1.6
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	4	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	4	1.6
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	4	1.6
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	4	1.6
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	4	1.6
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	4	1.6
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	4	1.6
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	4	1.6
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	4	1.6
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	4	1.6
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	4	1.6
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	4	1.6
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	4	1.6
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	4	1.6
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	4	1.6
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	4	1.6
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	4	1.6
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	4	1.6
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	4	1.6
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	4	1.6
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	4	1.6
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	4	1.6
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	4	1.6
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	4	1.6
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	4	1.6
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	4	1.6
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	4	1.6
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	4	1.6
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	4	1.59
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	4	1.59
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	4	1.59
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	4	1.59
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	4	1.59
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	3	1.59
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	3	1.59
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	3	1.59
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	8	1.59
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	8	1.59
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	8	1.59
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	3	1.59
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	3	1.59
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	3	1.59
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	8	1.59
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	8	1.59
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	3	1.59
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	3	1.59
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	3	1.59
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	8	1.59
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	8	1.59
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	8	1.59
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	3	1.59
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	3	1.59
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	3	1.59
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	8	1.59
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	8	1.59
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	8	1.59
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	3	1.59
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	3	1.59
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	3	1.59
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	8	1.59
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	8	1.59
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	8	1.59
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	3	1.58
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	3	1.58
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	3	1.58
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	3	1.58
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	3	1.58
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	3	1.58
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	3	1.58
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	3	1.58
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	3	1.58
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	3	1.58
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	7	1.57
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	7	1.57
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	7	1.57
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	7	1.57
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	7	1.57
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	7	1.57
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	7	1.57
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	7	1.57
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	7	1.57
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	7	1.57
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	7	1.57
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	7	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	7	1.57
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	7	1.57
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	7	1.57
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	9	1.56
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	9	1.56
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	9	1.56
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	9	1.56
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	9	1.56
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	14	1.55
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	14	1.55
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	14	1.55
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	14	1.55
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	14	1.55
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	14	1.55
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	14	1.55
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	14	1.55
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	14	1.55
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	14	1.55
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	1	1.53
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	1	1.53
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	1	1.53
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	1	1.53
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	1	1.53
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	1	1.53
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	1	1.53
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	1	1.53
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	1	1.53
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	1	1.53
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	10	1.53
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	10	1.53
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	10	1.53
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	10	1.53
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	10	1.53
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	10	1.53
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	10	1.53
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	10	1.53
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	10	1.53
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	10	1.53
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	10	1.53
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	10	1.53
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	10	1.53
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	10	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	10	1.53
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	10	1.53
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	10	1.53
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	10	1.53
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	10	1.53
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	10	1.53
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	10	1.53
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	10	1.53
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	10	1.53
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	10	1.53
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	10	1.53
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	10	1.53
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	10	1.53
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	10	1.53
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	10	1.53
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	10	1.53
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	10	1.53
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	10	1.53
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	10	1.53
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	10	1.53
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	10	1.53
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	10	1.53
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	10	1.53
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	10	1.53
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	10	1.53
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	10	1.53
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	10	1.53
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	10	1.53
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	10	1.53
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	10	1.53
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	10	1.53
(1,2270)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.52
(1,2270)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.52
(1,2270)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.52
(1,2269)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.52
(1,2269)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.52
(1,2269)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.52
(1,2268)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.52
(1,2268)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.52
(1,2268)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.52
(1,2267)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.52
(1,2267)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.52
(1,2266)	1:242:A:VAL:HG21	1:241:A:ILE:HA	15	1.52
(1,2266)	1:242:A:VAL:HG22	1:241:A:ILE:HA	15	1.52
(1,2266)	1:242:A:VAL:HG23	1:241:A:ILE:HA	15	1.52
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	1	1.51
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	1	1.51
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	1	1.51
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	1	1.51
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	1	1.51
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	1	1.51
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	1	1.51
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	1	1.51
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	1	1.51
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	1	1.51
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	11	1.5
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	11	1.5
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	11	1.5
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	11	1.5
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	11	1.5
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	11	1.5
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	11	1.5
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	11	1.5
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	11	1.5
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	11	1.5
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	12	1.49
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	12	1.49
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	12	1.49
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	12	1.49
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	12	1.49
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	12	1.49
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	12	1.49
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	12	1.49
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	12	1.49
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	12	1.49
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	12	1.49
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	12	1.49
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	12	1.49
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	12	1.49
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	12	1.49
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	12	1.49
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	12	1.49
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	12	1.49
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.48
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.48
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.48
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.48
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.48
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.48
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.48
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.48
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	15	1.48
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	15	1.48
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	7	1.48
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	7	1.48
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	7	1.48
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	7	1.48
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	7	1.48
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	7	1.48
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	7	1.48
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	7	1.48
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	7	1.48
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	7	1.48
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	11	1.48
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	11	1.48
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	11	1.48
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	11	1.48
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	11	1.48
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	11	1.48
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	11	1.48
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	11	1.48
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	11	1.48
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	11	1.48
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	11	1.48
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	11	1.48
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	11	1.48
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	11	1.48
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	11	1.48
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	11	1.48
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	11	1.48
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	11	1.48
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	11	1.48
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	11	1.48
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	11	1.48
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	11	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	11	1.48
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	11	1.48
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	11	1.48
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	11	1.48
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	11	1.48
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	11	1.48
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	11	1.48
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	11	1.48
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	11	1.48
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	11	1.48
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	11	1.48
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	11	1.48
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	11	1.48
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	11	1.48
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	11	1.48
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	11	1.48
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	11	1.48
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	11	1.48
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	11	1.48
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	11	1.48
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	11	1.48
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	11	1.48
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	11	1.48
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	6	1.47
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	6	1.47
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.47
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.47
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	6	1.47
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	6	1.47
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.47
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.47
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	6	1.47
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	6	1.47
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.47
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.47
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	6	1.47
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	6	1.47
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.47
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.47
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	6	1.47
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	6	1.47
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	15	1.47
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	6	1.47
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	6	1.47
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	6	1.47
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	6	1.47
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	6	1.47
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	6	1.47
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	6	1.47
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	6	1.47
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	6	1.47
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	6	1.47
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	6	1.47
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	6	1.47
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	6	1.47
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	6	1.47
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	6	1.47
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	6	1.47
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	6	1.47
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	6	1.47
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	6	1.47
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	6	1.47
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	6	1.47
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	6	1.47
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	6	1.47
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	6	1.47
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	6	1.47
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	6	1.47
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	6	1.47
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	6	1.47
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	6	1.47
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	6	1.47
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	6	1.47
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	6	1.47
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	6	1.47
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	6	1.47
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	6	1.47
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	6	1.47
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	6	1.47
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	6	1.47
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	6	1.47
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	6	1.47
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	6	1.47
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	6	1.47
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	6	1.47
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	6	1.47
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	13	1.45
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	13	1.45
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	13	1.45
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	13	1.45
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	13	1.45
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	13	1.45
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	13	1.45
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	13	1.45
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	13	1.45
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	13	1.45
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG2	5	1.44
(1,2360)	1:298:A:ARG:H	1:295:A:LYS:HG3	5	1.44
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG2	5	1.44
(1,2359)	1:298:A:ARG:H	1:295:A:LYS:HG3	5	1.44
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG2	5	1.44
(1,2358)	1:298:A:ARG:H	1:295:A:LYS:HG3	5	1.44
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG2	5	1.44
(1,2357)	1:298:A:ARG:H	1:295:A:LYS:HG3	5	1.44
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG2	5	1.44
(1,2356)	1:298:A:ARG:H	1:295:A:LYS:HG3	5	1.44
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	12	1.44
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	12	1.44
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	12	1.44
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	12	1.44
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	12	1.44
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	12	1.44
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	12	1.44
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	12	1.44
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	12	1.44
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	12	1.44
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	12	1.44
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	12	1.44
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	12	1.44
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	12	1.44
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	12	1.44
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	12	1.44
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	12	1.44
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	12	1.44
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	12	1.44
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	12	1.44
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	12	1.44
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	12	1.44
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	12	1.44
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	12	1.44
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	12	1.44
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	12	1.44
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	12	1.44
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	12	1.44
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	12	1.44
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	12	1.44
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	12	1.44
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	12	1.44
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	12	1.44
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	12	1.44
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	12	1.44
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	12	1.44
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	12	1.44
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	12	1.44
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	12	1.44
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	12	1.44
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	12	1.44
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	12	1.44
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	12	1.44
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	12	1.44
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	8	1.43
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	8	1.43
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	8	1.43
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	8	1.43
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	8	1.43
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	8	1.43
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	8	1.43
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	8	1.43
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	8	1.43
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	8	1.43
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	8	1.43
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	8	1.43
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	8	1.43
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	8	1.43
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	8	1.43
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	8	1.43
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	8	1.43
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	8	1.43
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	8	1.43
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	8	1.43
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	8	1.43
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	8	1.43
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	8	1.43
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	8	1.43
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	8	1.43
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	8	1.43
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	8	1.43
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	8	1.43
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	8	1.43
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	8	1.43
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	8	1.43
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	8	1.43
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	8	1.43
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	8	1.43
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	8	1.43
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	8	1.43
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	8	1.43
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	8	1.43
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	8	1.43
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	8	1.43
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	8	1.43
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	8	1.43
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	8	1.43
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	8	1.43
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	13	1.41
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	14	1.41
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	13	1.41
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	14	1.41
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	13	1.41
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	14	1.41
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	13	1.41
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	14	1.41
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	13	1.41
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	14	1.41
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	2	1.41
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	2	1.41
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	2	1.41
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	2	1.41
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	2	1.41
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	2	1.41
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	2	1.41
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	2	1.41
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	2	1.41
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	5	1.4
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	5	1.4
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	14	1.4
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	14	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	5	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	5	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	14	1.4
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	14	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	5	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	5	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	14	1.4
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	14	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	5	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	5	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	14	1.4
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	14	1.4
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	5	1.4
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	5	1.4
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	14	1.4
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	14	1.4
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	7	1.38
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	11	1.38
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	7	1.38
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	11	1.38
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	7	1.38
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	11	1.38
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	7	1.38
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	11	1.38
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	7	1.38
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	11	1.38
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	11	1.37
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	11	1.37
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	11	1.37
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	11	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	11	1.37
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	11	1.37
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	11	1.37
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	11	1.37
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	11	1.37
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	11	1.37
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	13	1.36
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	13	1.36
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	13	1.36
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	13	1.36
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	13	1.36
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	13	1.36
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	13	1.36
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	13	1.36
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	13	1.36
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	13	1.36
(1,2230)	1:239:A:TRP:H	1:239:A:TRP:HE3	4	1.36
(1,2229)	1:239:A:TRP:H	1:239:A:TRP:HE3	4	1.36
(1,2228)	1:239:A:TRP:H	1:239:A:TRP:HE3	4	1.36
(1,2227)	1:239:A:TRP:H	1:239:A:TRP:HE3	4	1.36
(1,2226)	1:239:A:TRP:H	1:239:A:TRP:HE3	4	1.36
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	7	1.35
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	7	1.35
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	7	1.35
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	7	1.35
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	7	1.35
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	7	1.35
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	7	1.35
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	7	1.35
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	7	1.35
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	7	1.35
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	5	1.33
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.33
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	5	1.33
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.33
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	5	1.33
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.33
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	5	1.33
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.33
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	5	1.33
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	15	1.33
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	4	1.33
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	4	1.33
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	4	1.33
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	4	1.33
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	4	1.33
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	4	1.33
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	4	1.33
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	4	1.33
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	4	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	5	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	5	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	5	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	5	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	5	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	5	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	5	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	5	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	5	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	7	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	7	1.33
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	7	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	7	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	7	1.33
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	7	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	7	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	7	1.33
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	7	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	5	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	5	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	5	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	5	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	5	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	5	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	5	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	5	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	5	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	7	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	7	1.33
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	7	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	7	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	7	1.33
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	7	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	7	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	7	1.33
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	7	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	5	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	5	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	5	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	5	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	5	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	5	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	5	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	5	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	5	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	7	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	7	1.33
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	7	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	7	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	7	1.33
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	7	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	7	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	7	1.33
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	7	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	5	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	5	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	5	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	5	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	5	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	5	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	5	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	5	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	5	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	7	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	7	1.33
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	7	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	7	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	7	1.33
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	7	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	7	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	7	1.33
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	7	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	5	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	5	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	5	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	5	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	5	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	5	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	5	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	5	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	7	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	7	1.33
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	7	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	7	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	7	1.33
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	7	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	7	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	7	1.33
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	7	1.33
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	7	1.32
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	7	1.32
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	7	1.32
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	7	1.32
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	7	1.32
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	7	1.32
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	7	1.32
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	7	1.32
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	7	1.32
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	7	1.32
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	3	1.32
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	3	1.32
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	3	1.32
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	3	1.32
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	3	1.32
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	3	1.32
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	3	1.32
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	3	1.32
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	3	1.32
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	3	1.32
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	3	1.32
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	3	1.32
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	3	1.32
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	3	1.32
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	3	1.32
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	3	1.32
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	3	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	3	1.32
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	3	1.32
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	3	1.32
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	3	1.32
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	3	1.32
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	3	1.32
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	3	1.32
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	3	1.32
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	3	1.32
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	3	1.32
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	3	1.32
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	3	1.32
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	3	1.32
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	3	1.32
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	3	1.32
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	3	1.32
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	3	1.32
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	3	1.32
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	3	1.32
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	3	1.32
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	3	1.32
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	3	1.32
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	3	1.32
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	3	1.32
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	3	1.32
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	3	1.32
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	3	1.32
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	3	1.32
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	8	1.31
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	8	1.31
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	8	1.31
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	8	1.31
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	8	1.31
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	11	1.31
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	11	1.31
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	14	1.31
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	14	1.31
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	11	1.31
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	11	1.31
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	14	1.31
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	14	1.31
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	11	1.31
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	14	1.31
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	14	1.31
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	11	1.31
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	11	1.31
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	14	1.31
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	14	1.31
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	11	1.31
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	11	1.31
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	14	1.31
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	14	1.31
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	4	1.31
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	4	1.31
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	4	1.31
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	4	1.31
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	4	1.31
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	4	1.31
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	4	1.31
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	4	1.31
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	4	1.31
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	4	1.31
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	4	1.31
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	4	1.31
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	4	1.31
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	4	1.31
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	4	1.31
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	4	1.31
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	4	1.31
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	4	1.31
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	4	1.31
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	4	1.31
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	4	1.31
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	4	1.31
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	4	1.31
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	4	1.31
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	4	1.31
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	4	1.31
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	4	1.31
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	4	1.31
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	4	1.31
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	4	1.31
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	4	1.31
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	4	1.31
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	4	1.31
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	4	1.31
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	4	1.31
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	4	1.31
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	4	1.31
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	4	1.31
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	4	1.31
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	4	1.31
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	4	1.31
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	4	1.31
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	4	1.31
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	4	1.31
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	8	1.3
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	8	1.3
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	8	1.3
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	8	1.3
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	8	1.3
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	8	1.3
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	8	1.3
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	8	1.3
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	8	1.3
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	8	1.3
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	4	1.3
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	4	1.3
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	6	1.3
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	6	1.3
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	4	1.3
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	4	1.3
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	6	1.3
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	6	1.3
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	4	1.3
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	4	1.3
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	6	1.3
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	6	1.3
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	4	1.3
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	4	1.3
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	6	1.3
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	6	1.3
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	4	1.3
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	6	1.3
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	6	1.3
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	8	1.3
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	8	1.3
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	8	1.3
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	8	1.3
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	8	1.3
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	8	1.3
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	8	1.3
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	8	1.3
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	8	1.3
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	8	1.3
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	14	1.3
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	14	1.3
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	14	1.3
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	14	1.3
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	14	1.3
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	14	1.3
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	14	1.3
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	14	1.3
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	14	1.3
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	14	1.3
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	15	1.29
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	15	1.29
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	15	1.29
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	15	1.29
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	15	1.29
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	15	1.29
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	15	1.29
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	15	1.29
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	15	1.29
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	15	1.29
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	15	1.29
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	15	1.29
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	15	1.29
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	15	1.29
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	15	1.29
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	15	1.29
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	15	1.29
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	15	1.29
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	15	1.29
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	15	1.29
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	15	1.29
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	15	1.29
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	15	1.29
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	15	1.29
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	15	1.29
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	15	1.29
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	15	1.29
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	15	1.29
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	15	1.29
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	15	1.29
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	15	1.29
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	15	1.29
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	15	1.29
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	15	1.29
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	15	1.29
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	15	1.29
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	15	1.29
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	15	1.29
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	15	1.29
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	15	1.29
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	15	1.29
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	15	1.29
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	15	1.29
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	15	1.29
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	8	1.28
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	8	1.28
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	8	1.28
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	8	1.28
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	8	1.28
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	8	1.28
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	8	1.28
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	8	1.28
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	8	1.28
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	8	1.28
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	6	1.27
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	6	1.27
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	6	1.27
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	6	1.27
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	6	1.27
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	6	1.27
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	6	1.27
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	6	1.27
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	6	1.27
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	11	1.26
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	11	1.26
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	11	1.26
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	11	1.26
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	11	1.26
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	11	1.26
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	11	1.26
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	11	1.26
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	11	1.26
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	11	1.26
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	2	1.26
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	2	1.26
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	2	1.26
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	2	1.26
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	2	1.26
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	2	1.26
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	2	1.26
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	2	1.26
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	2	1.26
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	2	1.26
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	1	1.24
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	1	1.24
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	1	1.24
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	1	1.24
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	1	1.24
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	5	1.24
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	5	1.24
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	5	1.24
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	5	1.24
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	5	1.24
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	5	1.24
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	5	1.24
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	5	1.24
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	5	1.24
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	5	1.24
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	5	1.24
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	5	1.24
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	5	1.24
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	5	1.24
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	5	1.24
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	5	1.24
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	5	1.24
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	5	1.24
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	5	1.24
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	5	1.24
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	5	1.24
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	5	1.24
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	5	1.24
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	5	1.24
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	5	1.24
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	5	1.24
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	5	1.24
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	5	1.24
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	5	1.24
(1,2425)	1:317:A:LEU:H	1:317:A:LEU:HG	2	1.23
(1,2424)	1:317:A:LEU:H	1:317:A:LEU:HG	2	1.23
(1,2423)	1:317:A:LEU:H	1:317:A:LEU:HG	2	1.23
(1,2422)	1:317:A:LEU:H	1:317:A:LEU:HG	2	1.23
(1,2421)	1:317:A:LEU:H	1:317:A:LEU:HG	2	1.23
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.23
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.23
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.23
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.23
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.23
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.23
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.23
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.23
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	15	1.23
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	15	1.23
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	14	1.21
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	14	1.21
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	14	1.21
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	14	1.21
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	14	1.21
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	14	1.21
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	14	1.21
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	14	1.21
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	14	1.21
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	14	1.21
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB2	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:311:A:LYS:H	1:309:A:GLN:HB3	10	1.21
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB2	10	1.21
(1,2404)	1:311:A:LYS:H	1:309:A:GLN:HB3	10	1.21
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB2	10	1.21
(1,2403)	1:311:A:LYS:H	1:309:A:GLN:HB3	10	1.21
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB2	10	1.21
(1,2402)	1:311:A:LYS:H	1:309:A:GLN:HB3	10	1.21
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB2	10	1.21
(1,2401)	1:311:A:LYS:H	1:309:A:GLN:HB3	10	1.21
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	12	1.21
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	12	1.21
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	12	1.21
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	12	1.21
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	12	1.21
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	12	1.21
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	12	1.21
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	12	1.21
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	12	1.21
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	12	1.21
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB2	2	1.2
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB3	2	1.2
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB2	2	1.2
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB3	2	1.2
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB2	2	1.2
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB3	2	1.2
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB2	2	1.2
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB3	2	1.2
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB2	2	1.2
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB3	2	1.2
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	2	1.19
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	2	1.19
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	2	1.19
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	2	1.19
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	2	1.19
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	2	1.19
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	2	1.19
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	2	1.19
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	2	1.19
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	2	1.19
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	2	1.19
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	2	1.19
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	2	1.19
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	2	1.19
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.19
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.19
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.19
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.19
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.19
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.19
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.19
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.19
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	15	1.19
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	15	1.19
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	3	1.18
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	3	1.18
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	12	1.18
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	12	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	3	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	3	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	12	1.18
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	12	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	3	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	3	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	12	1.18
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	12	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	3	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	3	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	12	1.18
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	12	1.18
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	3	1.18
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	3	1.18
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	12	1.18
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	12	1.18
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	9	1.18
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	9	1.18
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	9	1.18
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	9	1.18
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	9	1.18
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	9	1.18
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	9	1.18
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	9	1.18
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	9	1.18
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB2	1	1.18
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB3	1	1.18
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB2	1	1.18
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB3	1	1.18
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB2	1	1.18
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB3	1	1.18
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB2	1	1.18
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB3	1	1.18
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB2	1	1.18
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB3	1	1.18
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	10	1.17
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	10	1.17
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	10	1.17
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	10	1.17
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	10	1.17
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	10	1.17
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	10	1.17
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	10	1.17
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	10	1.17
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	10	1.17
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	2	1.17
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	2	1.17
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	2	1.17
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	2	1.17
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	2	1.17
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	2	1.17
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	2	1.17
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	2	1.17
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	2	1.17
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	2	1.17
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	2	1.17
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	2	1.17
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	2	1.17
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	2	1.17
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	2	1.17
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	2	1.17
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	2	1.17
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	2	1.17
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	2	1.17
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	2	1.17
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	2	1.17
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	2	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	2	1.17
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	2	1.17
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	2	1.17
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	2	1.17
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	2	1.17
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	2	1.17
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	2	1.17
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	2	1.17
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	11	1.16
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	11	1.16
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	11	1.16
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	11	1.16
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	11	1.16
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	11	1.16
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	11	1.16
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	11	1.16
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	11	1.16
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	11	1.16
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	11	1.16
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	11	1.16
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	11	1.16
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	11	1.16
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	11	1.16
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	5	1.15
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	5	1.15
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	5	1.15
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	5	1.15
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	5	1.15
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	5	1.15
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	5	1.15
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	5	1.15
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	5	1.15
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	5	1.15
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	3	1.15
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	3	1.15
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	10	1.15
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	10	1.15
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	3	1.15
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	3	1.15
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	10	1.15
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	10	1.15
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	3	1.15
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	10	1.15
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	10	1.15
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	3	1.15
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	3	1.15
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	10	1.15
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	10	1.15
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	3	1.15
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	3	1.15
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	10	1.15
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	10	1.15
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	1.15
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	1.15
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	1.15
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	1.15
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	1.15
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	1.15
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	1.15
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	1.15
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	1.15
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	1.15
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	1.15
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	1.15
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	1.15
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	1.15
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	1.15
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	1.15
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	1.15
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	1.15
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	1.15
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	1.15
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	1.15
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	1.15
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	1.15
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	1.15
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	13	1.15
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	13	1.15
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	13	1.15
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	13	1.15
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	13	1.15
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	13	1.15
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	9	1.14
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	9	1.14
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	9	1.14
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	9	1.14
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	9	1.14
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	9	1.14
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	9	1.14
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	9	1.14
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	9	1.14
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	1	1.14
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	1	1.14
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	1	1.14
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	1	1.14
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	1	1.14
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	1	1.14
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	1	1.14
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	1	1.14
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	1	1.14
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	1	1.14
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	13	1.13
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	13	1.13
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	13	1.13
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	13	1.13
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	13	1.13
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	13	1.13
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	13	1.13
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	13	1.13
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	13	1.13
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	13	1.13
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	4	1.11
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	4	1.11
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	4	1.11
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	4	1.11
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	4	1.11
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	4	1.11
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	4	1.11
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	4	1.11
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	4	1.11
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	4	1.11
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	4	1.11
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	4	1.11
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	4	1.11
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	4	1.11
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	4	1.11
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	4	1.11
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	4	1.11
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	4	1.11
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	4	1.11
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	4	1.11
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	4	1.11
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	4	1.11
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	4	1.11
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	4	1.11
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	4	1.11
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	4	1.11
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	4	1.11
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	4	1.11
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	4	1.11
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	1	1.09
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	1	1.09
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	1	1.09
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	1	1.09
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	1	1.09
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	1	1.09
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	1	1.09
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	1	1.09
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	1	1.09
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	1	1.09
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	8	1.06
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	8	1.06
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	8	1.06
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	8	1.06
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	8	1.06
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	8	1.06
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	8	1.06
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	8	1.06
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	8	1.06
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	8	1.06
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB2	12	1.05
(1,2240)	1:240:A:ASP:H	1:238:A:SER:HB3	12	1.05
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB2	12	1.05
(1,2239)	1:240:A:ASP:H	1:238:A:SER:HB3	12	1.05
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB2	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:240:A:ASP:H	1:238:A:SER:HB3	12	1.05
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB2	12	1.05
(1,2237)	1:240:A:ASP:H	1:238:A:SER:HB3	12	1.05
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB2	12	1.05
(1,2236)	1:240:A:ASP:H	1:238:A:SER:HB3	12	1.05
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	6	1.04
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	6	1.04
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	6	1.04
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	6	1.04
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	6	1.04
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	6	1.04
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	6	1.04
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	6	1.04
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	6	1.04
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	6	1.04
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	7	1.03
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	7	1.03
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	7	1.03
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	7	1.03
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	7	1.03
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	7	1.03
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	7	1.03
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	7	1.03
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	7	1.03
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	7	1.03
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	7	1.03
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	7	1.03
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	7	1.03
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	7	1.03
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	7	1.03
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	3	1.03
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	3	1.03
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	3	1.03
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	3	1.03
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	3	1.03
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	3	1.03
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	3	1.03
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	3	1.03
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	3	1.03
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	3	1.03
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	1	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	2	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	2	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	5	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	5	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	8	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	8	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	1	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	1	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	2	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	2	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	5	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	5	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	8	1.02
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	8	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	1	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	1	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	2	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	2	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	5	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	5	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	8	1.02
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	8	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	1	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	1	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	2	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	2	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	5	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	5	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	8	1.02
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	8	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	1	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	1	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	2	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	2	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	5	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	5	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	8	1.02
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	8	1.02
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	10	1.01
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	10	1.01
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	10	1.01
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	10	1.01
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	10	1.01
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	10	1.01
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	10	1.01
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	10	1.01
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	10	1.01
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB2	2	1.0
(1,2420)	1:313:A:LEU:H	1:314:A:ARG:HB3	2	1.0
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB2	2	1.0
(1,2419)	1:313:A:LEU:H	1:314:A:ARG:HB3	2	1.0
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB2	2	1.0
(1,2418)	1:313:A:LEU:H	1:314:A:ARG:HB3	2	1.0
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB2	2	1.0
(1,2417)	1:313:A:LEU:H	1:314:A:ARG:HB3	2	1.0
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB2	2	1.0
(1,2416)	1:313:A:LEU:H	1:314:A:ARG:HB3	2	1.0
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	11	1.0
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	11	1.0
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	11	1.0
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	11	1.0
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	11	1.0
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	11	1.0
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	11	1.0
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	11	1.0
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	11	1.0
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	11	1.0
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	5	0.99
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	5	0.99
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	6	0.99
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	6	0.99
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	5	0.99
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	5	0.99
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	6	0.99
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	6	0.99
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	5	0.99
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	5	0.99
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	6	0.99
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	6	0.99
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	5	0.99
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	5	0.99
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	6	0.99
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	5	0.99
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	5	0.99
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	6	0.99
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	6	0.99
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	12	0.99
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	12	0.99
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	12	0.99
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	12	0.99
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	12	0.99
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	12	0.99
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	12	0.99
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	12	0.99
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	12	0.99
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	12	0.99
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	12	0.99
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	12	0.99
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	12	0.99
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	12	0.99
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	12	0.99
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	12	0.99
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	12	0.99
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	12	0.99
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	12	0.99
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	12	0.99
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	12	0.99
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	12	0.99
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	12	0.99
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	12	0.99
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	12	0.99
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	12	0.99
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	12	0.99
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	12	0.99
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	12	0.99
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	12	0.99
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	12	0.99
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	12	0.99
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	12	0.99
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	12	0.99
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	12	0.99
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	11	0.98
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	11	0.98
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	11	0.98
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	11	0.98
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	11	0.98
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	11	0.98
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	11	0.98
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	11	0.98
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	11	0.98
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	11	0.98
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	11	0.98
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	11	0.98
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	11	0.98
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	11	0.98
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	11	0.98
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	11	0.98
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	11	0.98
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	11	0.98
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	11	0.98
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	11	0.98
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	11	0.98
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	11	0.98
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	11	0.98
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	11	0.98
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	11	0.98
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	11	0.98
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	11	0.98
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	11	0.98
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	11	0.98
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	11	0.98
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	11	0.98
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	11	0.98
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	11	0.98
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	11	0.98
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	11	0.98
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	11	0.98
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	11	0.98
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	11	0.98
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	11	0.98
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	11	0.98
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	11	0.98
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	11	0.98
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	11	0.98
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	4	0.98
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	4	0.98
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	4	0.98
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	10	0.98
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	10	0.98
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	10	0.98
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	4	0.98
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	4	0.98
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	4	0.98
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	10	0.98
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	10	0.98
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	10	0.98
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	4	0.98
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	4	0.98
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	4	0.98
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	10	0.98
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	10	0.98
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	10	0.98
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	4	0.98
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	4	0.98
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	4	0.98
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	10	0.98
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	10	0.98
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	10	0.98
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	4	0.98
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	4	0.98
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	4	0.98
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	10	0.98
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	10	0.98
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	10	0.98
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	2	0.97
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	2	0.97
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	2	0.97
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	2	0.97
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	2	0.97
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	2	0.97
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	2	0.97
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	2	0.97
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	2	0.97
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	2	0.97
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	2	0.97
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	2	0.97
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	2	0.97
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	2	0.97
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	7	0.96
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	7	0.96
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	7	0.96
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	3	0.96
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	3	0.96
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	3	0.96
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	14	0.96
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	14	0.96
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	14	0.96
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	7	0.96
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	7	0.96
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	7	0.96
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	3	0.96
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	3	0.96
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	3	0.96
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	14	0.96
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	14	0.96
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	14	0.96
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	7	0.96
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	7	0.96
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	7	0.96
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	3	0.96
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	3	0.96
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	3	0.96
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	14	0.96
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	14	0.96
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	14	0.96
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	7	0.96
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	7	0.96
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	7	0.96
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	3	0.96
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	3	0.96
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	3	0.96
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	14	0.96
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	14	0.96
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	14	0.96
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	7	0.96
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	7	0.96
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	3	0.96
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	3	0.96
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	3	0.96
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	14	0.96
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	14	0.96
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	14	0.96
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	7	0.95
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	7	0.95
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	7	0.95
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	10	0.95
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	10	0.95
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	7	0.95
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	7	0.95
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	7	0.95
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	10	0.95
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	10	0.95
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	7	0.95
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	7	0.95
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	7	0.95
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	10	0.95
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	10	0.95
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	7	0.95
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	7	0.95
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	7	0.95
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	10	0.95
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	10	0.95
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	7	0.95
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	7	0.95
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	7	0.95
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	10	0.95
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	10	0.95
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	10	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	10	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	10	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	12	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	12	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	12	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	14	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	14	0.94
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	14	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	10	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	10	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	12	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	12	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	12	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	14	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	14	0.94
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	14	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	10	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	10	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	10	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	12	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	12	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	12	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	14	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	14	0.94
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	14	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	10	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	10	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	10	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	12	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	12	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	12	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	14	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	14	0.94
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	14	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	10	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	10	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	10	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	12	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	12	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	12	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	14	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	14	0.94
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	14	0.94
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	5	0.94
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	5	0.94
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	5	0.94
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	5	0.94
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	5	0.94
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	5	0.94
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	5	0.94
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	5	0.94
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	5	0.94
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	5	0.94
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	5	0.94
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	5	0.94
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	5	0.94
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	5	0.94
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	10	0.93
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	10	0.93
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	10	0.93
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	10	0.93
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	10	0.93
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	10	0.93
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	10	0.93
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	10	0.93
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	10	0.93
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	10	0.93
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	4	0.93
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	4	0.93
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	4	0.93
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	4	0.93
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	4	0.93
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	4	0.93
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	4	0.93
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	4	0.93
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	4	0.93
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	4	0.93
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	4	0.93
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	4	0.93
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	4	0.93
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	4	0.93
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	4	0.93
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	8	0.93
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	8	0.93
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	8	0.93
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	8	0.93
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	8	0.93
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	8	0.93
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	8	0.93
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	8	0.93
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	8	0.93
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	8	0.93
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	8	0.93
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	8	0.93
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	8	0.93
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	8	0.93
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	8	0.93
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	8	0.93
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	8	0.93
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	8	0.93
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	8	0.93
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	8	0.93
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	8	0.93
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	8	0.93
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	8	0.93
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	8	0.93
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	8	0.93
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	8	0.93
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	8	0.93
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	8	0.93
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	8	0.93
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	8	0.93
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	8	0.93
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	8	0.93
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	8	0.93
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	8	0.93
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	8	0.93
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	8	0.93
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	8	0.93
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	8	0.93
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	8	0.93
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	8	0.93
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	8	0.93
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	8	0.93
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	8	0.93
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	8	0.93
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	7	0.93
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	7	0.93
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	7	0.93
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	7	0.93
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	7	0.93
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	7	0.93
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	2	0.93
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	7	0.93
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	7	0.93
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	7	0.93
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	7	0.93
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	7	0.93
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	7	0.93
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	2	0.93
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	2	0.93
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	7	0.93
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	7	0.93
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	7	0.93
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	7	0.93
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	7	0.93
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	7	0.93
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	2	0.93
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	2	0.93
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	7	0.93
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	7	0.93
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	7	0.93
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	7	0.93
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	7	0.93
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	7	0.93
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	2	0.93
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	2	0.93
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	7	0.93
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	7	0.93
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	7	0.93
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	7	0.93
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	7	0.93
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	7	0.93
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	2	0.93
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	2	0.93
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	6	0.92
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	6	0.92
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	6	0.92
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	6	0.92
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	6	0.92
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	6	0.92
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	6	0.92
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	6	0.92
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	6	0.92
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	6	0.92
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	6	0.92
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	6	0.92
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	6	0.92
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	6	0.92
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	6	0.92
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	6	0.92
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	6	0.92
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	6	0.92
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	6	0.92
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	6	0.92
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	6	0.92
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	6	0.92
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	6	0.92
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	6	0.92
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	6	0.92
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	6	0.92
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	6	0.92
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	6	0.92
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	6	0.92
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	6	0.92
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	6	0.92
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	6	0.92
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	6	0.92
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	6	0.92
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	6	0.92
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	6	0.92
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	6	0.92
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	6	0.92
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	6	0.92
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	8	0.92
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	8	0.92
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	8	0.92
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	8	0.92
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	8	0.92
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	8	0.92
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	8	0.92
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	8	0.92
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	8	0.92
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	8	0.92
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	8	0.92
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	8	0.92
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	8	0.92
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	8	0.92
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	8	0.92
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	8	0.92
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	8	0.92
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	8	0.92
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	8	0.92
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	8	0.92
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	8	0.92
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	8	0.92
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	8	0.92
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	8	0.92
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	8	0.91
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	8	0.91
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	8	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	8	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	8	0.91
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	8	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	8	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	8	0.91
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	8	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	8	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	8	0.91
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	8	0.91
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	8	0.91
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	8	0.91
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	8	0.91
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	7	0.91
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	7	0.91
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	7	0.91
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	7	0.91
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	7	0.91
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	7	0.91
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	7	0.91
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	7	0.91
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	7	0.91
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	7	0.91
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	6	0.91
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	6	0.91
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	6	0.91
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	6	0.91
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	6	0.91
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	6	0.91
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	6	0.91
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	6	0.91
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	6	0.91
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	1	0.9
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	1	0.9
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	3	0.9
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	3	0.9
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	1	0.9
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	1	0.9
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	3	0.9
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	3	0.9
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	1	0.9
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	1	0.9
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	3	0.9
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	3	0.9
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	1	0.9
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	1	0.9
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	3	0.9
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	3	0.9
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	1	0.9
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	1	0.9
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	3	0.9
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	3	0.9
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	5	0.89
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	5	0.89
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	5	0.89
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	5	0.89
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	5	0.89
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	5	0.89
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	5	0.89
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	5	0.89
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	5	0.89
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	5	0.89
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	4	0.88
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	4	0.88
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	4	0.88
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	4	0.88
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	4	0.88
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	4	0.88
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	4	0.88
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	4	0.88
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	4	0.88
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	6	0.88
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	6	0.88
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	6	0.88
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	6	0.88
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	6	0.88
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	6	0.88
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	6	0.88
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	6	0.88
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	6	0.88
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	6	0.88
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	6	0.88
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	6	0.88
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	6	0.88
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	6	0.88
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	6	0.88
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	13	0.88
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	13	0.88
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	13	0.88
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	13	0.88
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	13	0.88
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	1	0.88
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	1	0.88
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	1	0.88
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	1	0.88
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	1	0.88
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	1	0.88
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	1	0.88
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	1	0.88
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	1	0.88
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	1	0.88
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	1	0.88
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	1	0.88
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	1	0.88
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	1	0.88
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	1	0.88
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	11	0.87
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	11	0.87
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	11	0.87
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	11	0.87
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	11	0.87
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	11	0.87
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	11	0.87
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	11	0.87
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	11	0.87
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	3	0.86
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	3	0.86
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	3	0.86
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	3	0.86
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	3	0.86
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	3	0.86
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	3	0.86
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	3	0.86
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	3	0.86
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	3	0.86
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	5	0.84
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	5	0.84
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	5	0.84
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	5	0.84
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	5	0.84
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	5	0.84
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	5	0.84
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	5	0.84
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	5	0.84
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	5	0.84
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	13	0.84
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	13	0.84
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	13	0.84
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	13	0.84
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	13	0.84
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	13	0.84
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	13	0.84
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	13	0.84
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	13	0.84
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	13	0.84
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	13	0.84
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	13	0.84
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	13	0.84
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	13	0.84
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	2	0.83
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	2	0.83
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	2	0.83
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	2	0.83
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	2	0.83
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	2	0.83
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	2	0.83
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	2	0.83
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	2	0.83
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	2	0.83
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	7	0.83
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	7	0.83
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	7	0.83
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	7	0.83
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	7	0.83
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	7	0.83
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	7	0.83
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	7	0.83
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	7	0.83
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	7	0.83
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	7	0.83
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	7	0.83
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	7	0.83
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	7	0.83
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	7	0.83
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.83
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.83
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.83
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	11	0.83
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	11	0.83
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.83
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.83
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.83
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	11	0.83
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	11	0.83
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.83
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.83
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.83
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	11	0.83
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	11	0.83
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.83
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.83
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	11	0.83
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	11	0.83
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	6	0.83
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	6	0.83
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	6	0.83
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	11	0.83
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	11	0.83
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	3	0.82
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	3	0.82
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	3	0.82
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	3	0.82
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	3	0.82
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	3	0.82
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	6	0.82
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	6	0.82
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	6	0.82
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	3	0.82
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	3	0.82
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	3	0.82
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	3	0.82
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	3	0.82
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	3	0.82
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	6	0.82
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	6	0.82
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	6	0.82
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	3	0.82
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	3	0.82
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	3	0.82
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	3	0.82
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	3	0.82
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	3	0.82
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	6	0.82
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	6	0.82
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	6	0.82
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	3	0.82
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	3	0.82
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	3	0.82
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	3	0.82
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	3	0.82
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	6	0.82
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	6	0.82
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	6	0.82
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	3	0.82
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	3	0.82
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	3	0.82
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	3	0.82
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	3	0.82
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	3	0.82
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	6	0.82
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	6	0.82
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	6	0.82
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	1	0.81
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	1	0.81
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	8	0.81
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	8	0.81
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	1	0.81
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	1	0.81
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	8	0.81
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	8	0.81
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	1	0.81
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	1	0.81
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	8	0.81
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	8	0.81
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	1	0.81
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	1	0.81
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	8	0.81
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	8	0.81
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	1	0.81
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	1	0.81
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	8	0.81
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	8	0.81
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	13	0.81
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	13	0.81
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	13	0.81
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	13	0.81
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	13	0.81
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	13	0.81
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	13	0.81
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	13	0.81
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	13	0.81
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	3	0.8
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	3	0.8
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	3	0.8
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	3	0.8
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	3	0.8
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	3	0.8
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	3	0.8
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	3	0.8
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	3	0.8
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	3	0.8
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	10	0.8
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	10	0.8
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	10	0.8
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	10	0.8
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	10	0.8
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	10	0.8
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	10	0.8
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	10	0.8
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	10	0.8
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	10	0.8
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	5	0.8
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	5	0.8
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	5	0.8
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.8
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.8
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	5	0.8
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	5	0.8
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	5	0.8
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.8
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.8
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	5	0.8
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	5	0.8
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	5	0.8
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.8
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.8
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	5	0.8
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	5	0.8
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	5	0.8
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.8
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.8
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	5	0.8
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	5	0.8
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	15	0.8
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	15	0.8
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	9	0.79
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	9	0.79
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	9	0.79
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	9	0.79
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	9	0.79
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	9	0.79
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	9	0.79
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	9	0.79
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	9	0.79
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	9	0.79
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	12	0.78
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	12	0.78
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	12	0.78
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	12	0.78
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	12	0.78
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	12	0.78
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	12	0.78
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	12	0.78
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	12	0.78
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	12	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	1	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	1	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	1	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	5	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	5	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	5	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	1	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	1	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	1	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	5	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	5	0.78
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	5	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	1	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	1	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	1	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	5	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	5	0.78
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	5	0.78
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	1	0.78
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	1	0.78
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	5	0.78
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	5	0.78
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	5	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	1	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	1	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	1	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	5	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	5	0.78
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	5	0.78
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	8	0.78
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	8	0.78
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	8	0.78
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	6	0.78
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	6	0.78
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	6	0.78
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	6	0.78
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	6	0.78
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	6	0.78
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	6	0.78
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	13	0.78
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	13	0.78
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	8	0.78
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	8	0.78
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	8	0.78
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	6	0.78
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	6	0.78
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	6	0.78
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	6	0.78
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	6	0.78
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	6	0.78
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	6	0.78
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	6	0.78
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	6	0.78
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	6	0.78
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	6	0.78
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	13	0.78
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	13	0.78
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	8	0.78
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	8	0.78
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	8	0.78
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	6	0.78
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	6	0.78
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	6	0.78
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	6	0.78
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	6	0.78
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	6	0.78
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	6	0.78
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	13	0.78
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	13	0.78
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	8	0.78
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	8	0.78
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	8	0.78
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	6	0.78
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	6	0.78
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	6	0.78
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	6	0.78
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	6	0.78
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	6	0.78
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	6	0.78
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	13	0.78
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	13	0.78
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	8	0.78
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	8	0.78
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	8	0.78
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	6	0.78
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	6	0.78
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	6	0.78
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	6	0.78
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	6	0.78
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	6	0.78
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	13	0.78
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	13	0.78
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	9	0.77
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	9	0.77
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	9	0.77
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	9	0.77
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	9	0.77
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	9	0.77
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	9	0.77
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	9	0.77
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	9	0.77
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	9	0.77
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	9	0.77
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	9	0.77
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	9	0.77
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	9	0.77
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	9	0.77
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	4	0.77
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	4	0.77
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	4	0.77
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	4	0.77
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	4	0.77
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	4	0.77
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	4	0.77
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	4	0.77
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	4	0.77
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	4	0.77
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	5	0.77
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	5	0.77
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	5	0.77
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	5	0.77
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	5	0.77
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	5	0.77
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	5	0.77
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	5	0.77
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	5	0.77
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	5	0.77
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	5	0.77
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	5	0.77
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	5	0.77
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	5	0.77
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	5	0.77
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	5	0.77
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	5	0.77
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	5	0.77
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	5	0.77
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	5	0.77
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	5	0.77
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	5	0.77
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	5	0.77
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	5	0.77
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	5	0.77
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	5	0.77
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	5	0.77
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	5	0.77
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	5	0.77
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	4	0.76
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	4	0.76
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	4	0.76
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	9	0.76
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	9	0.76
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	13	0.76
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	13	0.76
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	4	0.76
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	4	0.76
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	4	0.76
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	9	0.76
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	9	0.76
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	13	0.76
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	13	0.76
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	4	0.76
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	4	0.76
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	9	0.76
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	9	0.76
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	13	0.76
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	13	0.76
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	4	0.76
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	4	0.76
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	4	0.76
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	9	0.76
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	9	0.76
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	13	0.76
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	13	0.76
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	4	0.76
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	4	0.76
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	4	0.76
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	9	0.76
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	9	0.76
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	13	0.76
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	13	0.76
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	1	0.75
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	1	0.75
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	1	0.75
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	1	0.75
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	1	0.75
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	1	0.75
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	1	0.75
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	1	0.75
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	1	0.75
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	1	0.75
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	1	0.75
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	1	0.75
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	1	0.75
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	1	0.75
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	1	0.75
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	1	0.75
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	1	0.75
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	1	0.75
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	1	0.75
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	1	0.75
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	1	0.75
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	1	0.75
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	1	0.75
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	1	0.75
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	1	0.75
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	1	0.75
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	1	0.75
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	1	0.75
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	1	0.75
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	12	0.75
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	12	0.75
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.75
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.75
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	12	0.75
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	12	0.75
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.75
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.75
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	12	0.75
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	12	0.75
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.75
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.75
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	12	0.75
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	12	0.75
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.75
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.75
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	12	0.75
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	12	0.75
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	15	0.75
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	15	0.75
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	13	0.75
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	13	0.75
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	13	0.75
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	13	0.75
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	13	0.75
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	13	0.75
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	13	0.75
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	13	0.75
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	13	0.75
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	13	0.75
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	13	0.75
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	13	0.75
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	13	0.75
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	13	0.75
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	13	0.75
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	13	0.75
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	13	0.75
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	13	0.75
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	13	0.75
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	13	0.75
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	13	0.75
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	13	0.75
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	13	0.75
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	13	0.75
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	13	0.75
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	13	0.75
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	13	0.75
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	13	0.75
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	13	0.75
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	3	0.74
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	3	0.74
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	6	0.74
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	6	0.74
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	3	0.74
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	3	0.74
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	6	0.74
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	6	0.74
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	3	0.74
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	3	0.74
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	6	0.74
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	6	0.74
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	3	0.74
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	3	0.74
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	6	0.74
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	6	0.74
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	3	0.74
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	3	0.74
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	6	0.74
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	6	0.74
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	14	0.74
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	14	0.74
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	14	0.74
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	14	0.74
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	14	0.74
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	14	0.74
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	8	0.74
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:192:A:LEU:HD11	1:191:A:THR:H	4	0.74
(1,1698)	1:192:A:LEU:HD12	1:191:A:THR:H	4	0.74
(1,1698)	1:192:A:LEU:HD13	1:191:A:THR:H	4	0.74
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	14	0.74
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	14	0.74
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	14	0.74
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	14	0.74
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	14	0.74
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	14	0.74
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	8	0.74
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	8	0.74
(1,1285)	1:192:A:LEU:HD11	1:191:A:THR:H	4	0.74
(1,1285)	1:192:A:LEU:HD12	1:191:A:THR:H	4	0.74
(1,1285)	1:192:A:LEU:HD13	1:191:A:THR:H	4	0.74
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	14	0.74
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	14	0.74
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	14	0.74
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	14	0.74
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	14	0.74
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	14	0.74
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	8	0.74
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	8	0.74
(1,872)	1:192:A:LEU:HD11	1:191:A:THR:H	4	0.74
(1,872)	1:192:A:LEU:HD12	1:191:A:THR:H	4	0.74
(1,872)	1:192:A:LEU:HD13	1:191:A:THR:H	4	0.74
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	14	0.74
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	14	0.74
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	14	0.74
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	14	0.74
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	14	0.74
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	14	0.74
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	8	0.74
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	8	0.74
(1,459)	1:192:A:LEU:HD11	1:191:A:THR:H	4	0.74
(1,459)	1:192:A:LEU:HD12	1:191:A:THR:H	4	0.74
(1,459)	1:192:A:LEU:HD13	1:191:A:THR:H	4	0.74
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	14	0.74
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	14	0.74
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	14	0.74
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	14	0.74
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	14	0.74
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	8	0.74
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	8	0.74
(1,46)	1:192:A:LEU:HD11	1:191:A:THR:H	4	0.74
(1,46)	1:192:A:LEU:HD12	1:191:A:THR:H	4	0.74
(1,46)	1:192:A:LEU:HD13	1:191:A:THR:H	4	0.74
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	9	0.73
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	9	0.73
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	9	0.73
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	9	0.73
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	9	0.73
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	9	0.73
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	9	0.73
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	9	0.73
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	9	0.73
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	9	0.73
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	9	0.73
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	9	0.73
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	9	0.73
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	9	0.73
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	9	0.73
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	9	0.73
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	9	0.73
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	9	0.73
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	9	0.73
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	9	0.73
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	9	0.73
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	9	0.73
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	9	0.73
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	9	0.73
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	9	0.73
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	9	0.73
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	9	0.73
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	9	0.73
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	9	0.73
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	9	0.73
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	14	0.73
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	14	0.73
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	14	0.73
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	14	0.73
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	14	0.73
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	14	0.73
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	14	0.73
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	14	0.73
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	14	0.73
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	15	0.73
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	15	0.73
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	15	0.73
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	15	0.73
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	15	0.73
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	15	0.73
(1,1698)	1:192:A:LEU:HD11	1:191:A:THR:H	5	0.73
(1,1698)	1:192:A:LEU:HD12	1:191:A:THR:H	5	0.73
(1,1698)	1:192:A:LEU:HD13	1:191:A:THR:H	5	0.73
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	15	0.73
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	15	0.73
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	15	0.73
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	15	0.73
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	15	0.73
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	15	0.73
(1,1285)	1:192:A:LEU:HD11	1:191:A:THR:H	5	0.73
(1,1285)	1:192:A:LEU:HD12	1:191:A:THR:H	5	0.73
(1,1285)	1:192:A:LEU:HD13	1:191:A:THR:H	5	0.73
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	15	0.73
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	15	0.73
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	15	0.73
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	15	0.73
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	15	0.73
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	15	0.73
(1,872)	1:192:A:LEU:HD11	1:191:A:THR:H	5	0.73
(1,872)	1:192:A:LEU:HD12	1:191:A:THR:H	5	0.73
(1,872)	1:192:A:LEU:HD13	1:191:A:THR:H	5	0.73
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	15	0.73
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	15	0.73
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	15	0.73
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	15	0.73
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	15	0.73
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	15	0.73
(1,459)	1:192:A:LEU:HD11	1:191:A:THR:H	5	0.73
(1,459)	1:192:A:LEU:HD12	1:191:A:THR:H	5	0.73
(1,459)	1:192:A:LEU:HD13	1:191:A:THR:H	5	0.73
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	15	0.73
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	15	0.73
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	15	0.73
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	15	0.73
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	15	0.73
(1,46)	1:192:A:LEU:HD11	1:191:A:THR:H	5	0.73
(1,46)	1:192:A:LEU:HD12	1:191:A:THR:H	5	0.73
(1,46)	1:192:A:LEU:HD13	1:191:A:THR:H	5	0.73
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	7	0.72
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	7	0.72
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	7	0.72
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	7	0.72
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	7	0.72
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	7	0.72
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	7	0.72
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	7	0.72
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	7	0.72
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	7	0.72
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	7	0.72
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	7	0.72
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	7	0.72
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	7	0.72
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	7	0.72
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	7	0.72
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	7	0.72
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	7	0.72
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	7	0.72
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	7	0.72
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	7	0.72
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	7	0.72
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	7	0.72
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	7	0.72
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	7	0.72
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	7	0.72
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	7	0.72
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	7	0.72
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	7	0.72
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	7	0.72
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	13	0.71
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	13	0.71
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	13	0.71
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	13	0.71
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	13	0.71
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	13	0.71
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	13	0.71
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	13	0.71
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	13	0.71
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	8	0.71
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	8	0.71
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	8	0.71
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	8	0.71
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	8	0.71
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	8	0.71
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	8	0.71
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	8	0.71
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	8	0.71
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	8	0.71
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	8	0.71
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	8	0.71
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	8	0.71
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	8	0.71
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	8	0.71
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	8	0.71
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	8	0.71
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	8	0.71
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	8	0.71
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	8	0.71
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	8	0.71
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	8	0.71
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	8	0.71
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	8	0.71
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	8	0.71
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	8	0.71
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	8	0.71
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	8	0.71
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	8	0.71
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	8	0.71
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	13	0.7
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	13	0.7
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	13	0.7
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	13	0.7
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	13	0.7
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	13	0.7
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	13	0.7
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	13	0.7
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	13	0.7
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	13	0.7
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	13	0.7
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	13	0.7
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	13	0.7
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	13	0.7
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	13	0.7
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	13	0.7
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	13	0.7
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	13	0.7
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	13	0.7
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	13	0.7
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	13	0.7
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	13	0.7
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	13	0.7
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	13	0.7
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	13	0.7
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	13	0.7
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	13	0.7
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	13	0.7
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	13	0.7
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	12	0.7
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	12	0.7
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	12	0.7
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	12	0.7
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	12	0.7
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	12	0.7
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	4	0.7
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.7
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.7
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	2	0.7
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	2	0.7
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.7
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.7
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.7
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	12	0.7
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	12	0.7
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	12	0.7
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	12	0.7
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	12	0.7
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	4	0.7
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.7
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.7
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	2	0.7
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	2	0.7
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.7
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.7
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.7
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	12	0.7
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	12	0.7
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	12	0.7
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	12	0.7
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	12	0.7
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	12	0.7
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	4	0.7
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.7
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.7
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	2	0.7
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	2	0.7
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.7
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.7
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.7
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	12	0.7
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	12	0.7
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	12	0.7
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	12	0.7
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	12	0.7
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	12	0.7
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	4	0.7
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.7
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.7
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	2	0.7
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	2	0.7
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.7
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.7
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.7
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	12	0.7
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	12	0.7
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	12	0.7
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	12	0.7
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	12	0.7
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	4	0.7
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	8	0.7
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	8	0.7
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	2	0.7
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	2	0.7
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	15	0.7
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	15	0.7
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	15	0.7
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	9	0.69
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	9	0.69
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	9	0.69
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	9	0.69
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	9	0.69
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	9	0.69
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	9	0.69
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	9	0.69
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	9	0.69
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	9	0.69
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	14	0.69
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	14	0.69
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	14	0.69
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	14	0.69
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	14	0.69
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	14	0.69
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	14	0.69
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	14	0.69
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	14	0.69
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	14	0.69
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	14	0.69
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	14	0.69
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	14	0.69
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	14	0.69
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	14	0.69
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	14	0.69
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	14	0.69
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	14	0.69
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	14	0.69
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	14	0.69
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	14	0.69
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	14	0.69
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	14	0.69
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	14	0.69
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	14	0.69
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	14	0.69
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	14	0.69
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	14	0.69
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	14	0.69
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	9	0.69
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	9	0.69
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	9	0.69
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	9	0.69
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	9	0.69
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	9	0.69
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	1	0.69
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	1	0.69
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	1	0.69
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	1	0.69
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	1	0.69
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	1	0.69
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	1	0.69
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	2	0.69
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	4	0.69
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	7	0.69
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	7	0.69
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	7	0.69
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	9	0.69
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	9	0.69
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	9	0.69
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	9	0.69
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	9	0.69
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	9	0.69
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	1	0.69
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	1	0.69
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	1	0.69
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	1	0.69
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	1	0.69
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	1	0.69
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	1	0.69
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	1	0.69
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	1	0.69
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	1	0.69
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	1	0.69
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	2	0.69
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	4	0.69
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	7	0.69
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	7	0.69
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	7	0.69
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	9	0.69
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	9	0.69
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	9	0.69
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	9	0.69
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	9	0.69
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	9	0.69
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	1	0.69
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	1	0.69
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	1	0.69
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	1	0.69
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	1	0.69
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	1	0.69
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	1	0.69
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	2	0.69
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	4	0.69
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	7	0.69
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	7	0.69
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	7	0.69
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	9	0.69
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	9	0.69
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	9	0.69
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	9	0.69
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	9	0.69
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	9	0.69
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	1	0.69
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	1	0.69
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	1	0.69
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	1	0.69
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	1	0.69
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	1	0.69
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	1	0.69
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	1	0.69
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	1	0.69
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	1	0.69
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	1	0.69
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	2	0.69
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	4	0.69
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	7	0.69
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	7	0.69
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	7	0.69
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	9	0.69
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	9	0.69
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	9	0.69
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	9	0.69
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	9	0.69
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	9	0.69
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	1	0.69
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	1	0.69
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	1	0.69
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	1	0.69
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	1	0.69
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	1	0.69
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	1	0.69
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	2	0.69
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	4	0.69
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	7	0.69
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	7	0.69
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	7	0.69
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB2	7	0.68
(1,2275)	1:243:A:GLU:H	1:244:A:PRO:HB3	7	0.68
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB2	7	0.68
(1,2274)	1:243:A:GLU:H	1:244:A:PRO:HB3	7	0.68
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB2	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2273)	1:243:A:GLU:H	1:244:A:PRO:HB3	7	0.68
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB2	7	0.68
(1,2272)	1:243:A:GLU:H	1:244:A:PRO:HB3	7	0.68
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB2	7	0.68
(1,2271)	1:243:A:GLU:H	1:244:A:PRO:HB3	7	0.68
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	5	0.68
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	5	0.68
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	5	0.68
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	5	0.68
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	5	0.68
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	5	0.68
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	4	0.68
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	8	0.68
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	1	0.68
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	1	0.68
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	6	0.68
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	6	0.68
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	6	0.68
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	5	0.68
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	5	0.68
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	5	0.68
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	5	0.68
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	5	0.68
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	5	0.68
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	4	0.68
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	8	0.68
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	1	0.68
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	1	0.68
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	6	0.68
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	6	0.68
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	6	0.68
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	5	0.68
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	5	0.68
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	5	0.68
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	5	0.68
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	5	0.68
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	5	0.68
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	4	0.68
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	8	0.68
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	1	0.68
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	1	0.68
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	6	0.68
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	6	0.68
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	5	0.68
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	5	0.68
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	5	0.68
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	5	0.68
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	5	0.68
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	5	0.68
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	4	0.68
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	8	0.68
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	1	0.68
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	1	0.68
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	6	0.68
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	6	0.68
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	6	0.68
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	5	0.68
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	5	0.68
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	5	0.68
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	5	0.68
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	5	0.68
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	5	0.68
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	4	0.68
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	8	0.68
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	1	0.68
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	1	0.68
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	6	0.68
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	6	0.68
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	6	0.68
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	8	0.67
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	8	0.67
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	8	0.67
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	1	0.67
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.67
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	5	0.67
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	5	0.67
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	5	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	5	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	5	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	5	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	5	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	5	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.67
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.67
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.67
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.67
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.67
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	8	0.67
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	8	0.67
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	8	0.67
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	1	0.67
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	5	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	5	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	5	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	5	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	5	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	5	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	5	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	5	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	5	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.67
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.67
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.67
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.67
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	8	0.67
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	8	0.67
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	8	0.67
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	1	0.67
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	5	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	5	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	5	0.67
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	5	0.67
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	5	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	5	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	5	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	5	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.67
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.67
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.67
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.67
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.67
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.67
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	8	0.67
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	8	0.67
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	8	0.67
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	1	0.67
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	5	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	5	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	5	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	5	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	5	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	5	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	5	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	5	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	5	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.67
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.67
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.67
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.67
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	8	0.67
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	8	0.67
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	8	0.67
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	1	0.67
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	15	0.67
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	5	0.67
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	5	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	5	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	5	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	5	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	5	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	5	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	5	0.67
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	7	0.67
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	7	0.67
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	7	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	7	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	7	0.67
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	7	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	7	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	7	0.67
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	7	0.67
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	6	0.67
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	6	0.67
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	6	0.67
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	6	0.67
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	6	0.67
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	6	0.67
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	6	0.67
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	6	0.67
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	6	0.67
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	6	0.67
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	6	0.67
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	6	0.67
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	6	0.67
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	6	0.67
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	6	0.67
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	12	0.66
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	12	0.66
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	12	0.66
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	12	0.66
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	12	0.66
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	12	0.66
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	12	0.66
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	12	0.66
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	12	0.66
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	12	0.66
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	12	0.66
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	12	0.66
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	12	0.66
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	12	0.66
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	12	0.66
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	12	0.66
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	12	0.66
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	12	0.66
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	12	0.66
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	12	0.66
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	12	0.66
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	12	0.66
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	12	0.66
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	12	0.66
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	12	0.66
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	12	0.66
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	12	0.66
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	12	0.66
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	12	0.66
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	14	0.66
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	14	0.66
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	14	0.66
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	14	0.66
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	14	0.66
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	14	0.66
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	14	0.66
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	14	0.66
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	14	0.66
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	14	0.66
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	14	0.66
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	14	0.66
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	14	0.66
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	14	0.66
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	14	0.66
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	12	0.66
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	12	0.66
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	12	0.66
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	12	0.66
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	12	0.66
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	12	0.66
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	14	0.66
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	14	0.66
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	1	0.66
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	1	0.66
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	1	0.66
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	3	0.66
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	3	0.66
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	3	0.66
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	10	0.66
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	10	0.66
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	10	0.66
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	12	0.66
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	12	0.66
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	12	0.66
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	12	0.66
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	12	0.66
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	12	0.66
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	12	0.66
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	12	0.66
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	14	0.66
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	14	0.66
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	14	0.66
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	1	0.66
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	1	0.66
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	1	0.66
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	3	0.66
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	3	0.66
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	3	0.66
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	10	0.66
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	10	0.66
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	10	0.66
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	12	0.66
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	12	0.66
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	12	0.66
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	12	0.66
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	12	0.66
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	12	0.66
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	12	0.66
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	12	0.66
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	14	0.66
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	14	0.66
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	1	0.66
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	1	0.66
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	1	0.66
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	3	0.66
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	3	0.66
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	3	0.66
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	10	0.66
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	10	0.66
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	10	0.66
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	12	0.66
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	12	0.66
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	12	0.66
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	12	0.66
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	12	0.66
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	12	0.66
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	12	0.66
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	12	0.66
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	14	0.66
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	14	0.66
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	14	0.66
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	1	0.66
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	1	0.66
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	1	0.66
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	3	0.66
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	3	0.66
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	3	0.66
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	10	0.66
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	10	0.66
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	10	0.66
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	12	0.66
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	12	0.66
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	12	0.66
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	12	0.66
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	12	0.66
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	12	0.66
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	12	0.66
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	12	0.66
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	14	0.66
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	14	0.66
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	14	0.66
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	1	0.66
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	1	0.66
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	3	0.66
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	3	0.66
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	3	0.66
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	10	0.66
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	10	0.66
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	10	0.66
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	12	0.66
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	12	0.66
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	14	0.65
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	14	0.65
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	14	0.65
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	14	0.65
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	14	0.65
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	14	0.65
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	14	0.65
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	14	0.65
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	14	0.65
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	14	0.65
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	14	0.65
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	14	0.65
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	14	0.65
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	14	0.65
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	14	0.65
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	14	0.65
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	14	0.65
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	14	0.65
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	14	0.65
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	14	0.65
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	14	0.65
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	14	0.65
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	14	0.65
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	14	0.65
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	14	0.65
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	14	0.65
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	14	0.65
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	14	0.65
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	14	0.65
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	14	0.65
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	14	0.65
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	14	0.65
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	14	0.65
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	14	0.65
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	14	0.65
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	14	0.65
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	14	0.65
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	14	0.65
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	14	0.65
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	14	0.65
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	14	0.65
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	14	0.65
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	14	0.65
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	14	0.65
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	3	0.65
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	3	0.65
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	3	0.65
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	3	0.65
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	3	0.65
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	3	0.65
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	3	0.65
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	3	0.65
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	3	0.65
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	3	0.65
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	3	0.65
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	3	0.65
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	3	0.65
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	3	0.65
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	3	0.65
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	3	0.65
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	3	0.65
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	3	0.65
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	3	0.65
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	3	0.65
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	3	0.65
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	3	0.65
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	3	0.65
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	3	0.65
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	3	0.65
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	3	0.65
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	3	0.65
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	3	0.65
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	3	0.65
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	11	0.65
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	11	0.65
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	11	0.65
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	11	0.65
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	11	0.65
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	11	0.65
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	11	0.65
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	11	0.65
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	11	0.65
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	2	0.65
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	1	0.65
(1,1867)	1:240:A:ASP:H	1:240:A:ASP:HB3	11	0.65
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	1	0.65
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	1	0.65
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	1	0.65
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.65
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.65
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.65
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	2	0.65
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	2	0.65
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	2	0.65
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	11	0.65
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	11	0.65
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	11	0.65
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	7	0.65
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	7	0.65
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	11	0.65
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	11	0.65
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	11	0.65
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	11	0.65
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	11	0.65
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	11	0.65
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	11	0.65
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	11	0.65
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	11	0.65
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	2	0.65
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	1	0.65
(1,1454)	1:240:A:ASP:H	1:240:A:ASP:HB3	11	0.65
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	1	0.65
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	1	0.65
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	1	0.65
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.65
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.65
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	2	0.65
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	2	0.65
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	2	0.65
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	11	0.65
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	11	0.65
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	11	0.65
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	7	0.65
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	7	0.65
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	11	0.65
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	11	0.65
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	11	0.65
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	11	0.65
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	11	0.65
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	11	0.65
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	11	0.65
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	11	0.65
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	11	0.65
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	2	0.65
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	1	0.65
(1,1041)	1:240:A:ASP:H	1:240:A:ASP:HB3	11	0.65
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	1	0.65
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	1	0.65
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	1	0.65
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.65
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.65
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.65
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	2	0.65
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	2	0.65
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	2	0.65
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	11	0.65
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	11	0.65
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	11	0.65
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	7	0.65
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	7	0.65
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	11	0.65
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	11	0.65
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	11	0.65
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	11	0.65
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	11	0.65
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	11	0.65
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	11	0.65
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	11	0.65
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	2	0.65
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	1	0.65
(1,628)	1:240:A:ASP:H	1:240:A:ASP:HB3	11	0.65
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	1	0.65
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	1	0.65
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	1	0.65
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.65
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.65
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.65
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	2	0.65
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	2	0.65
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	2	0.65
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	11	0.65
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	11	0.65
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	11	0.65
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	7	0.65
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	7	0.65
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	11	0.65
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	11	0.65
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	11	0.65
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	11	0.65
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	11	0.65
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	11	0.65
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	11	0.65
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	11	0.65
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	11	0.65
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	2	0.65
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	1	0.65
(1,215)	1:240:A:ASP:H	1:240:A:ASP:HB3	11	0.65
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	1	0.65
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	1	0.65
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	1	0.65
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.65
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.65
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.65
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	2	0.65
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	2	0.65
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	2	0.65
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	11	0.65
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	11	0.65
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	7	0.65
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	7	0.65
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	14	0.64
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	14	0.64
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	14	0.64
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	14	0.64
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	14	0.64
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	14	0.64
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	14	0.64
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	14	0.64
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	14	0.64
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	14	0.64
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	3	0.64
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	3	0.64
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	3	0.64
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	3	0.64
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	3	0.64
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	3	0.64
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	3	0.64
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	3	0.64
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	3	0.64
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	3	0.64
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	3	0.64
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	3	0.64
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	3	0.64
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	3	0.64
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	3	0.64
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	7	0.64
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	7	0.64
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	7	0.64
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	7	0.64
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	7	0.64
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	7	0.64
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	7	0.64
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	7	0.64
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	7	0.64
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	7	0.64
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	7	0.64
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	7	0.64
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	7	0.64
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	7	0.64
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	7	0.64
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	7	0.64
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	7	0.64
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	7	0.64
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	7	0.64
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	7	0.64
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	7	0.64
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	7	0.64
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	7	0.64
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	7	0.64
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	7	0.64
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	7	0.64
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	7	0.64
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	7	0.64
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	7	0.64
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	15	0.64
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	15	0.64
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	15	0.64
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	15	0.64
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	15	0.64
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	15	0.64
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	15	0.64
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	15	0.64
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	15	0.64
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	7	0.64
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	7	0.64
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	7	0.64
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	7	0.64
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	7	0.64
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	7	0.64
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	8	0.64
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	8	0.64
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	8	0.64
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	8	0.64
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	9	0.64
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	9	0.64
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	9	0.64
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	14	0.64
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	14	0.64
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	4	0.64
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	4	0.64
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	15	0.64
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	15	0.64
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	15	0.64
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	15	0.64
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	15	0.64
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	15	0.64
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	15	0.64
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	15	0.64
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	15	0.64
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	7	0.64
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	7	0.64
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	7	0.64
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	7	0.64
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	7	0.64
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	7	0.64
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	8	0.64
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	8	0.64
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	8	0.64
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	8	0.64
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	9	0.64
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	9	0.64
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	9	0.64
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	14	0.64
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	14	0.64
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	14	0.64
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	4	0.64
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	4	0.64
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	15	0.64
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	15	0.64
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	15	0.64
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	15	0.64
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	15	0.64
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	15	0.64
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	15	0.64
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	15	0.64
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	15	0.64
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	7	0.64
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	7	0.64
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	7	0.64
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	7	0.64
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	7	0.64
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	8	0.64
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	8	0.64
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	8	0.64
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	8	0.64
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	9	0.64
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	9	0.64
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	9	0.64
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	14	0.64
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	14	0.64
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	14	0.64
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	4	0.64
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	4	0.64
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	15	0.64
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	15	0.64
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	15	0.64
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	15	0.64
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	15	0.64
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	15	0.64
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	15	0.64
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	15	0.64
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	15	0.64
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	7	0.64
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	7	0.64
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	7	0.64
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	7	0.64
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	7	0.64
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	7	0.64
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	8	0.64
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	8	0.64
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	8	0.64
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	8	0.64
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	9	0.64
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	9	0.64
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	9	0.64
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	14	0.64
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	14	0.64
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	14	0.64
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	4	0.64
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	4	0.64
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	15	0.64
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	15	0.64
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	15	0.64
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	15	0.64
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	15	0.64
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	15	0.64
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	15	0.64
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	15	0.64
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	7	0.64
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	7	0.64
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	7	0.64
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	7	0.64
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	7	0.64
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	7	0.64
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	8	0.64
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	8	0.64
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	8	0.64
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	8	0.64
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	9	0.64
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	9	0.64
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	9	0.64
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	14	0.64
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	14	0.64
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	14	0.64
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	4	0.64
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	4	0.64
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	7	0.63
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	7	0.63
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	7	0.63
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	7	0.63
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	7	0.63
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	7	0.63
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	7	0.63
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	7	0.63
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	7	0.63
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	7	0.63
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	12	0.63
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	12	0.63
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	12	0.63
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	3	0.63
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	3	0.63
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	3	0.63
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	3	0.63
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	3	0.63
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	14	0.63
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	14	0.63
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	14	0.63
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	14	0.63
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	14	0.63
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	14	0.63
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	12	0.63
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	12	0.63
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	12	0.63
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	3	0.63
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	3	0.63
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	3	0.63
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	3	0.63
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	3	0.63
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	3	0.63
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	14	0.63
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	14	0.63
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	14	0.63
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	14	0.63
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	14	0.63
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	14	0.63
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	12	0.63
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	12	0.63
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	12	0.63
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	3	0.63
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	3	0.63
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	3	0.63
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	3	0.63
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	3	0.63
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	3	0.63
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	14	0.63
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	14	0.63
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	14	0.63
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	14	0.63
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	14	0.63
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	14	0.63
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	12	0.63
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	12	0.63
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	3	0.63
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	3	0.63
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	3	0.63
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	3	0.63
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	3	0.63
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	3	0.63
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	14	0.63
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	14	0.63
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	14	0.63
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	14	0.63
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	14	0.63
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	14	0.63
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	12	0.63
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	12	0.63
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	12	0.63
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	3	0.63
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	3	0.63
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	3	0.63
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	3	0.63
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	3	0.63
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	3	0.63
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	14	0.63
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	14	0.63
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	14	0.63
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	14	0.63
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	14	0.63
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	14	0.63
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	4	0.63
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	13	0.63
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	13	0.63
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	13	0.63
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	9	0.63
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	9	0.63
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	4	0.63
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	13	0.63
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	13	0.63
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	13	0.63
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	9	0.63
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	9	0.63
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	4	0.63
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	13	0.63
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	13	0.63
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	9	0.63
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	9	0.63
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	4	0.63
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	13	0.63
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	13	0.63
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	13	0.63
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	9	0.63
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	9	0.63
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	4	0.63
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	13	0.63
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	13	0.63
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	13	0.63
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	9	0.63
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	9	0.63
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	6	0.62
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	6	0.62
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	6	0.62
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	6	0.62
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	6	0.62
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	8	0.62
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	8	0.62
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	4	0.62
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	4	0.62
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	4	0.62
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	5	0.62
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	5	0.62
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	5	0.62
(1,1654)	1:178:A:ARG:H	1:177:A:SER:H	2	0.62
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	9	0.62
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	9	0.62
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	8	0.62
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	8	0.62
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	4	0.62
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	4	0.62
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	4	0.62
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	5	0.62
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	5	0.62
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	5	0.62
(1,1241)	1:178:A:ARG:H	1:177:A:SER:H	2	0.62
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	9	0.62
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	8	0.62
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	8	0.62
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	4	0.62
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	4	0.62
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	4	0.62
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	5	0.62
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	5	0.62
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	5	0.62
(1,828)	1:178:A:ARG:H	1:177:A:SER:H	2	0.62
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	9	0.62
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	9	0.62
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	8	0.62
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	8	0.62
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	4	0.62
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	4	0.62
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	4	0.62
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	5	0.62
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	5	0.62
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	5	0.62
(1,415)	1:178:A:ARG:H	1:177:A:SER:H	2	0.62
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	9	0.62
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	9	0.62
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	8	0.62
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	8	0.62
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	4	0.62
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	4	0.62
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	4	0.62
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	5	0.62
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	5	0.62
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	5	0.62
(1,2)	1:178:A:ARG:H	1:177:A:SER:H	2	0.62
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	9	0.62
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	9	0.62
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	14	0.61
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	7	0.61
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	7	0.61
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	14	0.61
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	7	0.61
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	7	0.61
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	14	0.61
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	7	0.61
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	14	0.61
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	7	0.61
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	7	0.61
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	14	0.61
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	7	0.61
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	7	0.61
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	12	0.6
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	12	0.6
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	12	0.6
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	9	0.6
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	9	0.6
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	9	0.6
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	9	0.6
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	9	0.6
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	9	0.6
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	9	0.6
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	12	0.6
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	12	0.6
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	12	0.6
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	12	0.6
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	12	0.6
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	12	0.6
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	12	0.6
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	12	0.6
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	12	0.6
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	9	0.6
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	9	0.6
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	9	0.6
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	9	0.6
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	9	0.6
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	9	0.6
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	9	0.6
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	12	0.6
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	12	0.6
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	12	0.6
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	12	0.6
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	12	0.6
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	12	0.6
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	12	0.6
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	12	0.6
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	12	0.6
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	9	0.6
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	9	0.6
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	9	0.6
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	9	0.6
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	9	0.6
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	9	0.6
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	12	0.6
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	12	0.6
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	12	0.6
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	12	0.6
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	12	0.6
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	12	0.6
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	12	0.6
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	12	0.6
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	12	0.6
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	9	0.6
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	9	0.6
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	9	0.6
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	9	0.6
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	9	0.6
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	9	0.6
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	9	0.6
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	12	0.6
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	12	0.6
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	12	0.6
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	12	0.6
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	12	0.6
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	12	0.6
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	12	0.6
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	12	0.6
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	12	0.6
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	9	0.6
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	9	0.6
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	9	0.6
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	9	0.6
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	9	0.6
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	9	0.6
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	9	0.6
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	12	0.6
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	12	0.6
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	12	0.6
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	12	0.6
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	12	0.6
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	11	0.6
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	11	0.6
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	11	0.6
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	11	0.6
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	11	0.6
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	11	0.6
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.6
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.6
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.6
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.6
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	3	0.6
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	5	0.6
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	7	0.6
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	9	0.6
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.6
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.6
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.6
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.6
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.6
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	11	0.6
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	11	0.6
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	11	0.6
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	11	0.6
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	11	0.6
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	11	0.6
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.6
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.6
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.6
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.6
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	3	0.6
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	5	0.6
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	7	0.6
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	9	0.6
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.6
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.6
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.6
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.6
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.6
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	11	0.6
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	11	0.6
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	11	0.6
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	11	0.6
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	11	0.6
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.6
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.6
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.6
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.6
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	3	0.6
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	5	0.6
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	7	0.6
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	9	0.6
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.6
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.6
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.6
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.6
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.6
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	11	0.6
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	11	0.6
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	11	0.6
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	11	0.6
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	11	0.6
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	11	0.6
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.6
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.6
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.6
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.6
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	3	0.6
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	5	0.6
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	7	0.6
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	9	0.6
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.6
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.6
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.6
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.6
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.6
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	11	0.6
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	11	0.6
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	11	0.6
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	11	0.6
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	11	0.6
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	12	0.6
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	12	0.6
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	12	0.6
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	13	0.6
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	3	0.6
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	5	0.6
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	7	0.6
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	9	0.6
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	15	0.6
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	15	0.6
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	15	0.6
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	15	0.6
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	15	0.6
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	5	0.59
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	5	0.59
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	5	0.59
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	5	0.59
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	5	0.59
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	5	0.59
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.59
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.59
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.59
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.59
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.59
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.59
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	11	0.59
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	5	0.59
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	5	0.59
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	5	0.59
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	5	0.59
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	5	0.59
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	5	0.59
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.59
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.59
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.59
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.59
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.59
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.59
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	11	0.59
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	5	0.59
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	5	0.59
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	5	0.59
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	5	0.59
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	5	0.59
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.59
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.59
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.59
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.59
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.59
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.59
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	11	0.59
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	5	0.59
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	5	0.59
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	5	0.59
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	5	0.59
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	5	0.59
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	5	0.59
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.59
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.59
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.59
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.59
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.59
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.59
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	11	0.59
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	5	0.59
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	5	0.59
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	5	0.59
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	5	0.59
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	5	0.59
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	5	0.59
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	15	0.59
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	15	0.59
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	15	0.59
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	15	0.59
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	15	0.59
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	15	0.59
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	11	0.59
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	2	0.59
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	2	0.59
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	2	0.59
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	2	0.59
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	2	0.59
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2028)	1:306:A:LEU:HD11	1:303:A:VAL:HA	12	0.59
(1,2028)	1:306:A:LEU:HD12	1:303:A:VAL:HA	12	0.59
(1,2028)	1:306:A:LEU:HD13	1:303:A:VAL:HA	12	0.59
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	6	0.59
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	5	0.59
(1,1915)	1:252:A:SER:H	1:253:A:THR:HG21	6	0.59
(1,1915)	1:252:A:SER:H	1:253:A:THR:HG22	6	0.59
(1,1915)	1:252:A:SER:H	1:253:A:THR:HG23	6	0.59
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	15	0.59
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	15	0.59
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	6	0.59
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	12	0.59
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	4	0.59
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	4	0.59
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	2	0.59
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	2	0.59
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	2	0.59
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	2	0.59
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	2	0.59
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	2	0.59
(1,1615)	1:306:A:LEU:HD11	1:303:A:VAL:HA	12	0.59
(1,1615)	1:306:A:LEU:HD12	1:303:A:VAL:HA	12	0.59
(1,1615)	1:306:A:LEU:HD13	1:303:A:VAL:HA	12	0.59
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	6	0.59
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	5	0.59
(1,1502)	1:252:A:SER:H	1:253:A:THR:HG21	6	0.59
(1,1502)	1:252:A:SER:H	1:253:A:THR:HG22	6	0.59
(1,1502)	1:252:A:SER:H	1:253:A:THR:HG23	6	0.59
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	15	0.59
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	15	0.59
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	6	0.59
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	12	0.59
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	4	0.59
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	4	0.59
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	2	0.59
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	2	0.59
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	2	0.59
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	2	0.59
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	2	0.59
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	2	0.59
(1,1202)	1:306:A:LEU:HD11	1:303:A:VAL:HA	12	0.59
(1,1202)	1:306:A:LEU:HD12	1:303:A:VAL:HA	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:306:A:LEU:HD13	1:303:A:VAL:HA	12	0.59
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	6	0.59
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	5	0.59
(1,1089)	1:252:A:SER:H	1:253:A:THR:HG21	6	0.59
(1,1089)	1:252:A:SER:H	1:253:A:THR:HG22	6	0.59
(1,1089)	1:252:A:SER:H	1:253:A:THR:HG23	6	0.59
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	15	0.59
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	15	0.59
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	6	0.59
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	12	0.59
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	4	0.59
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	4	0.59
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	2	0.59
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	2	0.59
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	2	0.59
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	2	0.59
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	2	0.59
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	2	0.59
(1,789)	1:306:A:LEU:HD11	1:303:A:VAL:HA	12	0.59
(1,789)	1:306:A:LEU:HD12	1:303:A:VAL:HA	12	0.59
(1,789)	1:306:A:LEU:HD13	1:303:A:VAL:HA	12	0.59
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	6	0.59
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	5	0.59
(1,676)	1:252:A:SER:H	1:253:A:THR:HG21	6	0.59
(1,676)	1:252:A:SER:H	1:253:A:THR:HG22	6	0.59
(1,676)	1:252:A:SER:H	1:253:A:THR:HG23	6	0.59
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	15	0.59
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	15	0.59
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	6	0.59
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	12	0.59
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	4	0.59
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	4	0.59
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	2	0.59
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	2	0.59
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	2	0.59
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	2	0.59
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	2	0.59
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	2	0.59
(1,376)	1:306:A:LEU:HD11	1:303:A:VAL:HA	12	0.59
(1,376)	1:306:A:LEU:HD12	1:303:A:VAL:HA	12	0.59
(1,376)	1:306:A:LEU:HD13	1:303:A:VAL:HA	12	0.59
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	5	0.59
(1,263)	1:252:A:SER:H	1:253:A:THR:HG21	6	0.59
(1,263)	1:252:A:SER:H	1:253:A:THR:HG22	6	0.59
(1,263)	1:252:A:SER:H	1:253:A:THR:HG23	6	0.59
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	15	0.59
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	15	0.59
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	6	0.59
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	12	0.59
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	4	0.59
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	4	0.59
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	11	0.58
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	11	0.58
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	11	0.58
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	11	0.58
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	11	0.58
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	11	0.58
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	11	0.58
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	11	0.58
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	11	0.58
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	11	0.58
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	7	0.58
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	7	0.58
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	7	0.58
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	7	0.58
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	7	0.58
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	7	0.58
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	2	0.58
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.58
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	14	0.58
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	14	0.58
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	12	0.58
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	12	0.58
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	10	0.58
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	7	0.58
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	7	0.58
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	7	0.58
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	7	0.58
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	7	0.58
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	7	0.58
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	2	0.58
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.58
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	14	0.58
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	12	0.58
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	12	0.58
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	10	0.58
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	7	0.58
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	7	0.58
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	7	0.58
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	7	0.58
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	7	0.58
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	7	0.58
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	2	0.58
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.58
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	14	0.58
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	14	0.58
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	12	0.58
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	12	0.58
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	10	0.58
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	7	0.58
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	7	0.58
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	7	0.58
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	7	0.58
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	7	0.58
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	7	0.58
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	2	0.58
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.58
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	14	0.58
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	14	0.58
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	12	0.58
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	12	0.58
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	10	0.58
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	7	0.58
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	7	0.58
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	7	0.58
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	7	0.58
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	7	0.58
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	7	0.58
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	2	0.58
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	15	0.58
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	14	0.58
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	14	0.58
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	12	0.58
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	10	0.58
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	8	0.57
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	8	0.57
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	8	0.57
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	8	0.57
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	8	0.57
(1,2016)	1:303:A:VAL:HG21	1:300:A:VAL:H	7	0.57
(1,2016)	1:303:A:VAL:HG22	1:300:A:VAL:H	7	0.57
(1,2016)	1:303:A:VAL:HG23	1:300:A:VAL:H	7	0.57
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	1	0.57
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	9	0.57
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	3	0.57
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	3	0.57
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	3	0.57
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	3	0.57
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	3	0.57
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	3	0.57
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	3	0.57
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	4	0.57
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	4	0.57
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	4	0.57
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	8	0.57
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	3	0.57
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	3	0.57
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	3	0.57
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	8	0.57
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	8	0.57
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	8	0.57
(1,1603)	1:303:A:VAL:HG21	1:300:A:VAL:H	7	0.57
(1,1603)	1:303:A:VAL:HG22	1:300:A:VAL:H	7	0.57
(1,1603)	1:303:A:VAL:HG23	1:300:A:VAL:H	7	0.57
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	1	0.57
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	9	0.57
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	3	0.57
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	3	0.57
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	3	0.57
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	3	0.57
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	3	0.57
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	3	0.57
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	4	0.57
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	4	0.57
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	4	0.57
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	8	0.57
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	3	0.57
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	3	0.57
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	3	0.57
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	8	0.57
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	8	0.57
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	8	0.57
(1,1190)	1:303:A:VAL:HG21	1:300:A:VAL:H	7	0.57
(1,1190)	1:303:A:VAL:HG22	1:300:A:VAL:H	7	0.57
(1,1190)	1:303:A:VAL:HG23	1:300:A:VAL:H	7	0.57
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	1	0.57
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	9	0.57
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	3	0.57
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	3	0.57
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	3	0.57
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	3	0.57
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	3	0.57
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	3	0.57
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	3	0.57
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	4	0.57
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	4	0.57
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	4	0.57
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	8	0.57
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	3	0.57
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	3	0.57
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	8	0.57
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	8	0.57
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	8	0.57
(1,777)	1:303:A:VAL:HG21	1:300:A:VAL:H	7	0.57
(1,777)	1:303:A:VAL:HG22	1:300:A:VAL:H	7	0.57
(1,777)	1:303:A:VAL:HG23	1:300:A:VAL:H	7	0.57
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	1	0.57
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	9	0.57
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	3	0.57
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	3	0.57
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	3	0.57
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	3	0.57
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	3	0.57
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	3	0.57
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	3	0.57
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	4	0.57
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	4	0.57
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	4	0.57
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	8	0.57
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	3	0.57
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	3	0.57
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	3	0.57
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	8	0.57
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	8	0.57
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	8	0.57
(1,364)	1:303:A:VAL:HG21	1:300:A:VAL:H	7	0.57
(1,364)	1:303:A:VAL:HG22	1:300:A:VAL:H	7	0.57
(1,364)	1:303:A:VAL:HG23	1:300:A:VAL:H	7	0.57
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	1	0.57
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	9	0.57
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	3	0.57
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	3	0.57
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	3	0.57
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	3	0.57
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	3	0.57
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	3	0.57
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	3	0.57
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	3	0.57
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	3	0.57
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	3	0.57
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	3	0.57
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	4	0.57
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	4	0.57
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	4	0.57
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	8	0.57
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	3	0.57
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	3	0.57
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	3	0.57
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	8	0.57
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	8	0.57
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	8	0.57
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	13	0.56
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	13	0.56
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	13	0.56
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	13	0.56
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	13	0.56
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	13	0.56
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	13	0.56
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	13	0.56
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	13	0.56
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	13	0.56
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	4	0.56
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	4	0.56
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	4	0.56
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	10	0.56
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	4	0.56
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	4	0.56
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	4	0.56
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	10	0.56
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	4	0.56
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	4	0.56
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	4	0.56
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	10	0.56
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	4	0.56
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	4	0.56
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	4	0.56
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	10	0.56
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	4	0.56
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	4	0.56
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	10	0.56
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	4	0.56
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	4	0.56
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	4	0.56
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	15	0.56
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	15	0.56
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	15	0.56
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	7	0.56
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.56
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.56
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	2	0.56
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	11	0.56
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.56
(1,1867)	1:240:A:ASP:H	1:240:A:ASP:HB3	2	0.56
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	5	0.56
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	5	0.56
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	4	0.56
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	4	0.56
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	4	0.56
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	4	0.56
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	4	0.56
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	4	0.56
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	15	0.56
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	15	0.56
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	15	0.56
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	7	0.56
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.56
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.56
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	2	0.56
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	11	0.56
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.56
(1,1454)	1:240:A:ASP:H	1:240:A:ASP:HB3	2	0.56
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	5	0.56
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	5	0.56
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	4	0.56
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	4	0.56
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	4	0.56
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	4	0.56
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	4	0.56
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	15	0.56
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	15	0.56
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	15	0.56
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	7	0.56
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.56
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.56
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	2	0.56
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	11	0.56
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.56
(1,1041)	1:240:A:ASP:H	1:240:A:ASP:HB3	2	0.56
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	5	0.56
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	5	0.56
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	4	0.56
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	4	0.56
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	4	0.56
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	4	0.56
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	4	0.56
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	4	0.56
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	15	0.56
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	15	0.56
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	15	0.56
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	7	0.56
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.56
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.56
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	2	0.56
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	11	0.56
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.56
(1,628)	1:240:A:ASP:H	1:240:A:ASP:HB3	2	0.56
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	5	0.56
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	5	0.56
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	4	0.56
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	4	0.56
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	4	0.56
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	4	0.56
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	4	0.56
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	4	0.56
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	15	0.56
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	15	0.56
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	15	0.56
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	7	0.56
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	15	0.56
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	2	0.56
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	11	0.56
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	15	0.56
(1,215)	1:240:A:ASP:H	1:240:A:ASP:HB3	2	0.56
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	5	0.56
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	5	0.56
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	4	0.56
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	4	0.56
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	4	0.56
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	1	0.55
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	1	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	1	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	1	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	1	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	1	0.55
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	11	0.55
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	11	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	11	0.55
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	11	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	11	0.55
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	11	0.55
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	10	0.55
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	10	0.55
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	10	0.55
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	10	0.55
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	10	0.55
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	10	0.55
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	2	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	1	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	1	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	1	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	1	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	1	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	1	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	11	0.55
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	11	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	11	0.55
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	11	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	11	0.55
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	11	0.55
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	10	0.55
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	10	0.55
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	10	0.55
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	10	0.55
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	10	0.55
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	2	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	1	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	1	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	1	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	1	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	1	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	1	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	11	0.55
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	11	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	11	0.55
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	11	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	11	0.55
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	11	0.55
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	10	0.55
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	10	0.55
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	10	0.55
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	10	0.55
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	10	0.55
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	10	0.55
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	2	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	1	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	1	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	1	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	1	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	1	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	1	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	11	0.55
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	11	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	11	0.55
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	11	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	11	0.55
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	11	0.55
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	10	0.55
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	10	0.55
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	10	0.55
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	10	0.55
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	10	0.55
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	2	0.55
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	1	0.55
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	1	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	1	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	1	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	1	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	1	0.55
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	11	0.55
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	11	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	11	0.55
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	11	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	11	0.55
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	11	0.55
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	10	0.55
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	10	0.55
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	10	0.55
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	10	0.55
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	10	0.55
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	10	0.55
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	2	0.55
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	14	0.55
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	12	0.55
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	12	0.55
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	11	0.55
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	11	0.55
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	11	0.55
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	14	0.55
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	12	0.55
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	12	0.55
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	11	0.55
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	11	0.55
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	11	0.55
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	14	0.55
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	12	0.55
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	12	0.55
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	11	0.55
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	11	0.55
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	11	0.55
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	14	0.55
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	12	0.55
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	12	0.55
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	11	0.55
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	11	0.55
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	14	0.55
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	12	0.55
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	12	0.55
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	11	0.55
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	11	0.55
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	11	0.55
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	6	0.54
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	6	0.54
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	6	0.54
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	6	0.54
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	6	0.54
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	6	0.54
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	6	0.54
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	6	0.54
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	6	0.54
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	6	0.54
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	6	0.54
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	6	0.54
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	6	0.54
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	6	0.54
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	6	0.54
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	6	0.54
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	6	0.54
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	6	0.54
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	6	0.54
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	6	0.54
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	6	0.54
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	6	0.54
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	6	0.54
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	6	0.54
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	6	0.54
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	6	0.54
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	6	0.54
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	6	0.54
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	6	0.54
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	6	0.54
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	14	0.54
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	14	0.54
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	14	0.54
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	14	0.54
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	14	0.54
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	15	0.54
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	15	0.54
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	15	0.54
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	14	0.54
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	14	0.54
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	14	0.54
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	14	0.54
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	14	0.54
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	14	0.54
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	15	0.54
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	15	0.54
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	15	0.54
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	14	0.54
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	14	0.54
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	14	0.54
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	14	0.54
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	14	0.54
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	14	0.54
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	15	0.54
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	15	0.54
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	15	0.54
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	14	0.54
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	14	0.54
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	14	0.54
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	14	0.54
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	14	0.54
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	14	0.54
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	15	0.54
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	15	0.54
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	15	0.54
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	14	0.54
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	14	0.54
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	14	0.54
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	14	0.54
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	14	0.54
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	14	0.54
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	15	0.54
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	15	0.54
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	15	0.54
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	8	0.54
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	5	0.54
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	13	0.54
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	13	0.54
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	13	0.54
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	13	0.54
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	13	0.54
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	13	0.54
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	7	0.54
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	7	0.54
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	7	0.54
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	8	0.54
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	8	0.54
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	5	0.54
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	13	0.54
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	13	0.54
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	13	0.54
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	13	0.54
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	13	0.54
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	13	0.54
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	7	0.54
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	7	0.54
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	7	0.54
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	8	0.54
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	8	0.54
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	5	0.54
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	13	0.54
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	13	0.54
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	13	0.54
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	13	0.54
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	13	0.54
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	13	0.54
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	7	0.54
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	7	0.54
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	7	0.54
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	8	0.54
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	8	0.54
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	5	0.54
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	13	0.54
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	13	0.54
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	13	0.54
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	13	0.54
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	13	0.54
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	7	0.54
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	7	0.54
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	7	0.54
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	8	0.54
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	8	0.54
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	5	0.54
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	13	0.54
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	13	0.54
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	13	0.54
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	13	0.54
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	13	0.54
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	13	0.54
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	7	0.54
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	7	0.54
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	7	0.54
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	7	0.53
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	7	0.53
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	7	0.53
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	7	0.53
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	7	0.53
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	7	0.53
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	7	0.53
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	7	0.53
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	7	0.53
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	7	0.53
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	7	0.53
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	7	0.53
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	7	0.53
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	7	0.53
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	7	0.53
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	7	0.53
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	7	0.53
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	7	0.53
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	7	0.53
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	7	0.53
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	7	0.53
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	7	0.53
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	7	0.53
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	7	0.53
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	7	0.53
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	7	0.53
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	7	0.53
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	7	0.53
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	7	0.53
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	13	0.53
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	13	0.53
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	13	0.53
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	13	0.53
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	13	0.53
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	13	0.53
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	4	0.53
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	4	0.53
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	4	0.53
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	4	0.53
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	4	0.53
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	4	0.53
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	13	0.53
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	13	0.53
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	13	0.53
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	13	0.53
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	13	0.53
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	13	0.53
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	4	0.53
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	4	0.53
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	4	0.53
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	4	0.53
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	4	0.53
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	4	0.53
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	13	0.53
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	13	0.53
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	13	0.53
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	13	0.53
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	13	0.53
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	13	0.53
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	4	0.53
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	4	0.53
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	4	0.53
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	4	0.53
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	4	0.53
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	4	0.53
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	13	0.53
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	13	0.53
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	13	0.53
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	13	0.53
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	13	0.53
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	4	0.53
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	4	0.53
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	4	0.53
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	4	0.53
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	4	0.53
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	4	0.53
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	13	0.53
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	13	0.53
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	13	0.53
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	13	0.53
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	13	0.53
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	13	0.53
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	4	0.53
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	4	0.53
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	4	0.53
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	4	0.53
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	4	0.53
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	4	0.53
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB2	10	0.53
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB3	10	0.53
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	4	0.53
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	4	0.53
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	4	0.53
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	4	0.53
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	4	0.53
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	4	0.53
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	4	0.53
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	5	0.53
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	5	0.53
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	8	0.53
(1,1877)	1:241:A:ILE:H	1:243:A:GLU:H	13	0.53
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	5	0.53
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	5	0.53
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	5	0.53
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	12	0.53
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB2	10	0.53
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB3	10	0.53
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	4	0.53
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	4	0.53
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	4	0.53
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	4	0.53
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	4	0.53
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	4	0.53
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	4	0.53
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	5	0.53
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	5	0.53
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	8	0.53
(1,1464)	1:241:A:ILE:H	1:243:A:GLU:H	13	0.53
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	12	0.53
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	5	0.53
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	5	0.53
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	5	0.53
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	12	0.53
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB2	10	0.53
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB3	10	0.53
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	4	0.53
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	4	0.53
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	4	0.53
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	4	0.53
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	4	0.53
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	4	0.53
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	4	0.53
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	5	0.53
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	8	0.53
(1,1051)	1:241:A:ILE:H	1:243:A:GLU:H	13	0.53
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	12	0.53
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	5	0.53
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	5	0.53
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	5	0.53
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	12	0.53
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB2	10	0.53
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB3	10	0.53
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	4	0.53
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	4	0.53
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	4	0.53
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	4	0.53
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	4	0.53
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	4	0.53
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	4	0.53
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	5	0.53
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	5	0.53
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	8	0.53
(1,638)	1:241:A:ILE:H	1:243:A:GLU:H	13	0.53
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	12	0.53
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	5	0.53
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	5	0.53
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	5	0.53
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	12	0.53
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB2	10	0.53
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB3	10	0.53
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	4	0.53
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	4	0.53
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	4	0.53
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	4	0.53
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	4	0.53
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	4	0.53
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	4	0.53
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	4	0.53
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	4	0.53
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	4	0.53
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	4	0.53
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	5	0.53
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	5	0.53
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	8	0.53
(1,225)	1:241:A:ILE:H	1:243:A:GLU:H	13	0.53
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	12	0.53
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	5	0.53
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	5	0.53
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	5	0.53
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	12	0.53
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	3	0.52
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	3	0.52
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	3	0.52
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	3	0.52
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	3	0.52
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	3	0.52
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	3	0.52
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	3	0.52
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	3	0.52
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	3	0.52
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	3	0.52
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	3	0.52
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	3	0.52
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	3	0.52
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	3	0.52
(1,2007)	1:301:A:THR:H	1:300:A:VAL:HB	2	0.52
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	11	0.52
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	2	0.52
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	14	0.52
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	14	0.52
(1,1884)	1:241:A:ILE:HD11	1:240:A:ASP:H	1	0.52
(1,1884)	1:241:A:ILE:HD12	1:240:A:ASP:H	1	0.52
(1,1884)	1:241:A:ILE:HD13	1:240:A:ASP:H	1	0.52
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	8	0.52
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	4	0.52
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	4	0.52
(1,1764)	1:217:A:ALA:HB1	1:214:A:VAL:H	12	0.52
(1,1764)	1:217:A:ALA:HB2	1:214:A:VAL:H	12	0.52
(1,1764)	1:217:A:ALA:HB3	1:214:A:VAL:H	12	0.52
(1,1594)	1:301:A:THR:H	1:300:A:VAL:HB	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	11	0.52
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	2	0.52
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	14	0.52
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	14	0.52
(1,1471)	1:241:A:ILE:HD11	1:240:A:ASP:H	1	0.52
(1,1471)	1:241:A:ILE:HD12	1:240:A:ASP:H	1	0.52
(1,1471)	1:241:A:ILE:HD13	1:240:A:ASP:H	1	0.52
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	8	0.52
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	4	0.52
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	4	0.52
(1,1351)	1:217:A:ALA:HB1	1:214:A:VAL:H	12	0.52
(1,1351)	1:217:A:ALA:HB2	1:214:A:VAL:H	12	0.52
(1,1351)	1:217:A:ALA:HB3	1:214:A:VAL:H	12	0.52
(1,1181)	1:301:A:THR:H	1:300:A:VAL:HB	2	0.52
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	11	0.52
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	2	0.52
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	14	0.52
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	14	0.52
(1,1058)	1:241:A:ILE:HD11	1:240:A:ASP:H	1	0.52
(1,1058)	1:241:A:ILE:HD12	1:240:A:ASP:H	1	0.52
(1,1058)	1:241:A:ILE:HD13	1:240:A:ASP:H	1	0.52
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	8	0.52
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	4	0.52
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	4	0.52
(1,938)	1:217:A:ALA:HB1	1:214:A:VAL:H	12	0.52
(1,938)	1:217:A:ALA:HB2	1:214:A:VAL:H	12	0.52
(1,938)	1:217:A:ALA:HB3	1:214:A:VAL:H	12	0.52
(1,768)	1:301:A:THR:H	1:300:A:VAL:HB	2	0.52
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	11	0.52
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	2	0.52
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	14	0.52
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	14	0.52
(1,645)	1:241:A:ILE:HD11	1:240:A:ASP:H	1	0.52
(1,645)	1:241:A:ILE:HD12	1:240:A:ASP:H	1	0.52
(1,645)	1:241:A:ILE:HD13	1:240:A:ASP:H	1	0.52
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	8	0.52
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	4	0.52
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	4	0.52
(1,525)	1:217:A:ALA:HB1	1:214:A:VAL:H	12	0.52
(1,525)	1:217:A:ALA:HB2	1:214:A:VAL:H	12	0.52
(1,525)	1:217:A:ALA:HB3	1:214:A:VAL:H	12	0.52
(1,355)	1:301:A:THR:H	1:300:A:VAL:HB	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	11	0.52
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	2	0.52
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	14	0.52
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	14	0.52
(1,232)	1:241:A:ILE:HD11	1:240:A:ASP:H	1	0.52
(1,232)	1:241:A:ILE:HD12	1:240:A:ASP:H	1	0.52
(1,232)	1:241:A:ILE:HD13	1:240:A:ASP:H	1	0.52
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	8	0.52
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	4	0.52
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	4	0.52
(1,112)	1:217:A:ALA:HB1	1:214:A:VAL:H	12	0.52
(1,112)	1:217:A:ALA:HB2	1:214:A:VAL:H	12	0.52
(1,112)	1:217:A:ALA:HB3	1:214:A:VAL:H	12	0.52
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	1	0.51
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	1	0.51
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	1	0.51
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	1	0.51
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	1	0.51
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	1	0.51
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	1	0.51
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	1	0.51
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	1	0.51
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	1	0.51
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	1	0.51
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	1	0.51
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	1	0.51
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	1	0.51
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	1	0.51
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	3	0.51
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	3	0.51
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	3	0.51
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	4	0.51
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	4	0.51
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	4	0.51
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	4	0.51
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	4	0.51
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	4	0.51
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	12	0.51
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	3	0.51
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	3	0.51
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	3	0.51
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	4	0.51
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	4	0.51
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	4	0.51
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	4	0.51
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	4	0.51
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	12	0.51
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	3	0.51
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	3	0.51
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	3	0.51
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	4	0.51
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	4	0.51
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	4	0.51
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	4	0.51
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	4	0.51
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	4	0.51
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	12	0.51
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	3	0.51
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	3	0.51
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	3	0.51
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	4	0.51
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	4	0.51
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	4	0.51
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	4	0.51
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	4	0.51
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	4	0.51
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	12	0.51
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	3	0.51
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	3	0.51
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	3	0.51
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	4	0.51
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	4	0.51
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	4	0.51
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	4	0.51
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	4	0.51
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	4	0.51
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	12	0.51
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	4	0.51
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	11	0.51
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	11	0.51
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	10	0.51
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	10	0.51
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	9	0.51
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	4	0.51
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	11	0.51
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	11	0.51
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	10	0.51
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	10	0.51
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	10	0.51
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	9	0.51
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	4	0.51
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	11	0.51
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	11	0.51
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	10	0.51
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	10	0.51
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	10	0.51
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	9	0.51
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	4	0.51
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	11	0.51
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	11	0.51
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	10	0.51
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	10	0.51
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	10	0.51
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	9	0.51
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	4	0.51
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	11	0.51
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	11	0.51
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	10	0.51
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	10	0.51
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	10	0.51
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	9	0.51
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	4	0.5
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	4	0.5
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	4	0.5
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	4	0.5
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	4	0.5
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	4	0.5
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	4	0.5
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	4	0.5
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	4	0.5
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	4	0.5
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	4	0.5
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	4	0.5
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	4	0.5
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	4	0.5
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	9	0.5
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	2	0.5
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	2	0.5
(1,1909)	1:246:A:THR:HG21	1:250:A:THR:HA	11	0.5
(1,1909)	1:246:A:THR:HG22	1:250:A:THR:HA	11	0.5
(1,1909)	1:246:A:THR:HG23	1:250:A:THR:HA	11	0.5
(1,1867)	1:240:A:ASP:H	1:240:A:ASP:HB3	1	0.5
(1,1867)	1:240:A:ASP:H	1:240:A:ASP:HB3	12	0.5
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	11	0.5
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	11	0.5
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	2	0.5
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	2	0.5
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	2	0.5
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	9	0.5
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	2	0.5
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	2	0.5
(1,1496)	1:246:A:THR:HG21	1:250:A:THR:HA	11	0.5
(1,1496)	1:246:A:THR:HG22	1:250:A:THR:HA	11	0.5
(1,1496)	1:246:A:THR:HG23	1:250:A:THR:HA	11	0.5
(1,1454)	1:240:A:ASP:H	1:240:A:ASP:HB3	1	0.5
(1,1454)	1:240:A:ASP:H	1:240:A:ASP:HB3	12	0.5
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	11	0.5
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	11	0.5
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	2	0.5
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	2	0.5
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	2	0.5
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	9	0.5
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	2	0.5
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	2	0.5
(1,1083)	1:246:A:THR:HG21	1:250:A:THR:HA	11	0.5
(1,1083)	1:246:A:THR:HG22	1:250:A:THR:HA	11	0.5
(1,1083)	1:246:A:THR:HG23	1:250:A:THR:HA	11	0.5
(1,1041)	1:240:A:ASP:H	1:240:A:ASP:HB3	1	0.5
(1,1041)	1:240:A:ASP:H	1:240:A:ASP:HB3	12	0.5
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	11	0.5
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	11	0.5
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	2	0.5
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	2	0.5
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	2	0.5
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	2	0.5
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	2	0.5
(1,670)	1:246:A:THR:HG21	1:250:A:THR:HA	11	0.5
(1,670)	1:246:A:THR:HG22	1:250:A:THR:HA	11	0.5
(1,670)	1:246:A:THR:HG23	1:250:A:THR:HA	11	0.5
(1,628)	1:240:A:ASP:H	1:240:A:ASP:HB3	1	0.5
(1,628)	1:240:A:ASP:H	1:240:A:ASP:HB3	12	0.5
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	11	0.5
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	11	0.5
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	2	0.5
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	2	0.5
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	2	0.5
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	9	0.5
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	2	0.5
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	2	0.5
(1,257)	1:246:A:THR:HG21	1:250:A:THR:HA	11	0.5
(1,257)	1:246:A:THR:HG22	1:250:A:THR:HA	11	0.5
(1,257)	1:246:A:THR:HG23	1:250:A:THR:HA	11	0.5
(1,215)	1:240:A:ASP:H	1:240:A:ASP:HB3	1	0.5
(1,215)	1:240:A:ASP:H	1:240:A:ASP:HB3	12	0.5
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	11	0.5
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	11	0.5
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	2	0.5
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	2	0.5
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	2	0.5
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	3	0.49
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	3	0.49
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	3	0.49
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	13	0.49
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	13	0.49
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	13	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	3	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	3	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	3	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	13	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	13	0.49
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	13	0.49
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	3	0.49
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	3	0.49
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	3	0.49
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	13	0.49
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	13	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	3	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	3	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	3	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	13	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	13	0.49
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	13	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	3	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	3	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	3	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	13	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	13	0.49
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	13	0.49
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	2	0.49
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	2	0.49
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	2	0.49
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	2	0.49
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	2	0.49
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	2	0.49
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	2	0.49
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	2	0.49
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	2	0.49
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	2	0.49
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	2	0.49
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	2	0.49
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	2	0.49
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	2	0.49
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	2	0.49
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	8	0.49
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	8	0.49
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	8	0.49
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	10	0.49
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	10	0.49
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	10	0.49
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	10	0.49
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	10	0.49
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	10	0.49
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	6	0.49
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	6	0.49
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	6	0.49
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	6	0.49
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	6	0.49
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	8	0.49
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	8	0.49
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	8	0.49
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	10	0.49
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	10	0.49
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	10	0.49
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	10	0.49
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	10	0.49
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	10	0.49
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	6	0.49
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	6	0.49
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	6	0.49
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	6	0.49
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	6	0.49
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	6	0.49
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	8	0.49
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	8	0.49
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	8	0.49
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	10	0.49
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	10	0.49
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	10	0.49
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	10	0.49
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	10	0.49
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	10	0.49
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	6	0.49
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	6	0.49
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	6	0.49
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	6	0.49
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	6	0.49
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	6	0.49
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	8	0.49
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	8	0.49
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	8	0.49
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	10	0.49
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	10	0.49
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	10	0.49
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	10	0.49
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	10	0.49
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	10	0.49
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	6	0.49
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	6	0.49
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	6	0.49
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	6	0.49
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	6	0.49
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	8	0.49
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	8	0.49
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	8	0.49
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	10	0.49
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	10	0.49
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	10	0.49
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	10	0.49
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	10	0.49
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	10	0.49
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	6	0.49
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	6	0.49
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	6	0.49
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	6	0.49
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	6	0.49
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	6	0.49
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	4	0.49
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	4	0.49
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	4	0.49
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	4	0.49
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	4	0.49
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	4	0.49
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	4	0.49
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	4	0.49
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	4	0.49
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	9	0.49
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	12	0.49
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	13	0.49
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	7	0.49
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	7	0.49
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	13	0.49
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	2	0.49
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	2	0.49
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	2	0.49
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	14	0.49
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	4	0.49
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	4	0.49
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	4	0.49
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	4	0.49
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	4	0.49
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	4	0.49
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	4	0.49
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	4	0.49
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	9	0.49
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	12	0.49
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	13	0.49
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	7	0.49
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	7	0.49
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	13	0.49
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	2	0.49
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	2	0.49
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	2	0.49
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	14	0.49
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	4	0.49
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	4	0.49
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	4	0.49
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	4	0.49
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	4	0.49
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	4	0.49
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	4	0.49
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	4	0.49
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	4	0.49
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	9	0.49
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	12	0.49
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	13	0.49
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	7	0.49
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	7	0.49
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	13	0.49
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	2	0.49
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	2	0.49
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	2	0.49
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	14	0.49
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	4	0.49
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	4	0.49
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	4	0.49
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	4	0.49
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	4	0.49
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	4	0.49
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	4	0.49
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	4	0.49
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	9	0.49
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	12	0.49
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	13	0.49
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	7	0.49
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	7	0.49
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	13	0.49
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	2	0.49
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	2	0.49
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	2	0.49
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	14	0.49
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	4	0.49
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	4	0.49
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	4	0.49
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	4	0.49
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	4	0.49
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	4	0.49
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	4	0.49
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	4	0.49
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	4	0.49
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	9	0.49
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	12	0.49
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	13	0.49
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	7	0.49
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	7	0.49
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	13	0.49
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	2	0.49
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	2	0.49
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	2	0.49
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	14	0.49
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	1	0.48
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	1	0.48
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	1	0.48
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	1	0.48
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	1	0.48
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	1	0.48
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	1	0.48
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	1	0.48
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	1	0.48
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	1	0.48
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	5	0.48
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	5	0.48
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	5	0.48
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	5	0.48
(1,2007)	1:301:A:THR:H	1:300:A:VAL:HB	15	0.48
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	5	0.48
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	3	0.48
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	6	0.48
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	7	0.48
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	6	0.48
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	2	0.48
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	2	0.48
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	2	0.48
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	2	0.48
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	2	0.48
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	2	0.48
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	2	0.48
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	3	0.48
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	3	0.48
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	6	0.48
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB2	14	0.48
(1,1714)	1:197:A:HIS:H	1:195:A:PRO:HB3	14	0.48
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	15	0.48
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	15	0.48
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	15	0.48
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	15	0.48
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	15	0.48
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	15	0.48
(1,1594)	1:301:A:THR:H	1:300:A:VAL:HB	15	0.48
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	5	0.48
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	3	0.48
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	6	0.48
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	7	0.48
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	6	0.48
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	2	0.48
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	2	0.48
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	2	0.48
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	2	0.48
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	2	0.48
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	2	0.48
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	3	0.48
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	3	0.48
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	6	0.48
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB2	14	0.48
(1,1301)	1:197:A:HIS:H	1:195:A:PRO:HB3	14	0.48
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	15	0.48
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	15	0.48
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	15	0.48
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	15	0.48
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	15	0.48
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	15	0.48
(1,1181)	1:301:A:THR:H	1:300:A:VAL:HB	15	0.48
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	5	0.48
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	3	0.48
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	6	0.48
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	7	0.48
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	6	0.48
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	2	0.48
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	2	0.48
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	2	0.48
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	2	0.48
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	2	0.48
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	2	0.48
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	2	0.48
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	3	0.48
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	3	0.48
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	6	0.48
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB2	14	0.48
(1,888)	1:197:A:HIS:H	1:195:A:PRO:HB3	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	15	0.48
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	15	0.48
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	15	0.48
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	15	0.48
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	15	0.48
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	15	0.48
(1,768)	1:301:A:THR:H	1:300:A:VAL:HB	15	0.48
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	5	0.48
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	3	0.48
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	6	0.48
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	7	0.48
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	6	0.48
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	2	0.48
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	2	0.48
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	2	0.48
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	2	0.48
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	2	0.48
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	2	0.48
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	2	0.48
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	3	0.48
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	3	0.48
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	6	0.48
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB2	14	0.48
(1,475)	1:197:A:HIS:H	1:195:A:PRO:HB3	14	0.48
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	15	0.48
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	15	0.48
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	15	0.48
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	15	0.48
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	15	0.48
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	15	0.48
(1,355)	1:301:A:THR:H	1:300:A:VAL:HB	15	0.48
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	5	0.48
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	3	0.48
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	6	0.48
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	7	0.48
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	6	0.48
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	2	0.48
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	2	0.48
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	2	0.48
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	2	0.48
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	2	0.48
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	2	0.48
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	2	0.48
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	2	0.48
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	2	0.48
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	2	0.48
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	2	0.48
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	3	0.48
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	3	0.48
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	6	0.48
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB2	14	0.48
(1,62)	1:197:A:HIS:H	1:195:A:PRO:HB3	14	0.48
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	15	0.48
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	15	0.48
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	15	0.48
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	15	0.48
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	15	0.48
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	15	0.48
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.47
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.47
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.47
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.47
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.47
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.47
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.47
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.47
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.47
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.47
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.47
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.47
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	15	0.47
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	15	0.47
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	15	0.47
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	9	0.47
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	9	0.47
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	9	0.47
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	10	0.47
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	10	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	9	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	9	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	9	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	10	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	10	0.47
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	10	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	9	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	9	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	9	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	10	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	10	0.47
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	10	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	9	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	9	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	9	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	10	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	10	0.47
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	10	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	9	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	9	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	9	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	10	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	10	0.47
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	10	0.47
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	15	0.47
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	15	0.47
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	15	0.47
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	15	0.47
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	15	0.47
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	15	0.47
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	15	0.47
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	15	0.47
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	15	0.47
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	15	0.47
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	15	0.47
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	15	0.47
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	15	0.47
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	15	0.47
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	15	0.47
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	7	0.47
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	7	0.47
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	5	0.47
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	5	0.47
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	5	0.47
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	4	0.47
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	4	0.47
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	4	0.47
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	4	0.47
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	4	0.47
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	4	0.47
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	4	0.47
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	4	0.47
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	4	0.47
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	9	0.47
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	9	0.47
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	9	0.47
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	9	0.47
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	9	0.47
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	9	0.47
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	2	0.47
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	2	0.47
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	2	0.47
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	2	0.47
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	2	0.47
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	2	0.47
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	7	0.47
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	7	0.47
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	7	0.47
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	7	0.47
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	5	0.47
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	5	0.47
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	5	0.47
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	4	0.47
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	4	0.47
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	4	0.47
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	4	0.47
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	4	0.47
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	4	0.47
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	4	0.47
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	4	0.47
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	4	0.47
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	9	0.47
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	9	0.47
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	9	0.47
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	9	0.47
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	9	0.47
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	2	0.47
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	2	0.47
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	2	0.47
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	2	0.47
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	2	0.47
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	2	0.47
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	7	0.47
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	7	0.47
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	7	0.47
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	7	0.47
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	5	0.47
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	5	0.47
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	5	0.47
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	4	0.47
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	4	0.47
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	4	0.47
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	4	0.47
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	4	0.47
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	4	0.47
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	4	0.47
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	4	0.47
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	4	0.47
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	9	0.47
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	9	0.47
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	9	0.47
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	9	0.47
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	9	0.47
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	9	0.47
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	2	0.47
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	2	0.47
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	2	0.47
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	2	0.47
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	2	0.47
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	2	0.47
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	7	0.47
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	7	0.47
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	7	0.47
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	5	0.47
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	5	0.47
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	5	0.47
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	4	0.47
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	4	0.47
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	4	0.47
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	4	0.47
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	4	0.47
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	4	0.47
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	4	0.47
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	4	0.47
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	4	0.47
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	9	0.47
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	9	0.47
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	9	0.47
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	9	0.47
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	9	0.47
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	9	0.47
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	2	0.47
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	2	0.47
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	2	0.47
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	2	0.47
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	2	0.47
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	2	0.47
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	7	0.47
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	7	0.47
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	7	0.47
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	7	0.47
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	5	0.47
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	5	0.47
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	5	0.47
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	4	0.47
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	4	0.47
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	4	0.47
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	4	0.47
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	4	0.47
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	4	0.47
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	4	0.47
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	4	0.47
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	4	0.47
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	9	0.47
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	9	0.47
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	9	0.47
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	9	0.47
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	9	0.47
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	2	0.47
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	2	0.47
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	2	0.47
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	2	0.47
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	2	0.47
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	2	0.47
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	7	0.47
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	2	0.47
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	2	0.47
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	2	0.47
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	14	0.47
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	3	0.47
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	10	0.47
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	7	0.47
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	2	0.47
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	2	0.47
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG2	14	0.47
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG3	14	0.47
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	2	0.47
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	2	0.47
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	2	0.47
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	2	0.47
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	2	0.47
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	2	0.47
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	2	0.47
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	2	0.47
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	2	0.47
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	14	0.47
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	3	0.47
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	10	0.47
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	7	0.47
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	2	0.47
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	2	0.47
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG2	14	0.47
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG3	14	0.47
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	2	0.47
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	2	0.47
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	2	0.47
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	2	0.47
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	2	0.47
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	2	0.47
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	2	0.47
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	2	0.47
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	14	0.47
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	3	0.47
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	10	0.47
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	7	0.47
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	2	0.47
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	2	0.47
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG2	14	0.47
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG3	14	0.47
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	2	0.47
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	2	0.47
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	2	0.47
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	2	0.47
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	2	0.47
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	2	0.47
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	2	0.47
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	2	0.47
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	2	0.47
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	14	0.47
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	3	0.47
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	10	0.47
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	7	0.47
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	2	0.47
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	2	0.47
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG2	14	0.47
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG3	14	0.47
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	2	0.47
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	2	0.47
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	2	0.47
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	2	0.47
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	2	0.47
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	2	0.47
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	2	0.47
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	2	0.47
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	2	0.47
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	3	0.47
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	10	0.47
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	7	0.47
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	2	0.47
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	2	0.47
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG2	14	0.47
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG3	14	0.47
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	2	0.47
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	2	0.47
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	2	0.47
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	2	0.47
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	2	0.47
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	2	0.47
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD21	13	0.46
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD22	13	0.46
(1,2400)	1:310:A:LEU:H	1:310:A:LEU:HD23	13	0.46
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD21	13	0.46
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD22	13	0.46
(1,2399)	1:310:A:LEU:H	1:310:A:LEU:HD23	13	0.46
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD21	13	0.46
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD22	13	0.46
(1,2398)	1:310:A:LEU:H	1:310:A:LEU:HD23	13	0.46
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD21	13	0.46
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD22	13	0.46
(1,2397)	1:310:A:LEU:H	1:310:A:LEU:HD23	13	0.46
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD21	13	0.46
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD22	13	0.46
(1,2396)	1:310:A:LEU:H	1:310:A:LEU:HD23	13	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	6	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	6	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	6	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	8	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	8	0.46
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	8	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	6	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	6	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	6	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	8	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	8	0.46
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	8	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	6	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	6	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	8	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	8	0.46
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	8	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	6	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	6	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	6	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	8	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	8	0.46
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	8	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	6	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	6	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	6	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	8	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	8	0.46
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	8	0.46
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	15	0.46
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	15	0.46
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	15	0.46
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	15	0.46
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	15	0.46
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	15	0.46
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	15	0.46
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	15	0.46
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	15	0.46
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	15	0.46
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	15	0.46
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	15	0.46
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	15	0.46
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	15	0.46
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	15	0.46
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	15	0.46
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	15	0.46
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	15	0.46
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	15	0.46
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	15	0.46
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	15	0.46
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	15	0.46
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	15	0.46
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	15	0.46
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	15	0.46
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	15	0.46
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	15	0.46
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	15	0.46
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	15	0.46
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	9	0.46
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	9	0.46
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	9	0.46
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.46
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.46
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.46
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	3	0.46
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	9	0.46
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	9	0.46
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	9	0.46
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.46
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.46
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.46
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	3	0.46
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	9	0.46
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	9	0.46
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	9	0.46
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.46
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.46
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.46
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	3	0.46
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	9	0.46
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	9	0.46
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	9	0.46
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.46
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.46
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.46
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	3	0.46
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	9	0.46
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	9	0.46
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	9	0.46
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	14	0.46
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	14	0.46
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	14	0.46
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	3	0.46
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	10	0.46
(1,1945)	1:262:A:LEU:HD11	1:258:A:PHE:H	15	0.46
(1,1945)	1:262:A:LEU:HD12	1:258:A:PHE:H	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:262:A:LEU:HD13	1:258:A:PHE:H	15	0.46
(1,1909)	1:246:A:THR:HG21	1:250:A:THR:HA	10	0.46
(1,1909)	1:246:A:THR:HG22	1:250:A:THR:HA	10	0.46
(1,1909)	1:246:A:THR:HG23	1:250:A:THR:HA	10	0.46
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	7	0.46
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	7	0.46
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	1	0.46
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	1	0.46
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	1	0.46
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	1	0.46
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	1	0.46
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	1	0.46
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	10	0.46
(1,1532)	1:262:A:LEU:HD11	1:258:A:PHE:H	15	0.46
(1,1532)	1:262:A:LEU:HD12	1:258:A:PHE:H	15	0.46
(1,1532)	1:262:A:LEU:HD13	1:258:A:PHE:H	15	0.46
(1,1496)	1:246:A:THR:HG21	1:250:A:THR:HA	10	0.46
(1,1496)	1:246:A:THR:HG22	1:250:A:THR:HA	10	0.46
(1,1496)	1:246:A:THR:HG23	1:250:A:THR:HA	10	0.46
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	7	0.46
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	7	0.46
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	1	0.46
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	1	0.46
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	1	0.46
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	1	0.46
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	1	0.46
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	1	0.46
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	10	0.46
(1,1119)	1:262:A:LEU:HD11	1:258:A:PHE:H	15	0.46
(1,1119)	1:262:A:LEU:HD12	1:258:A:PHE:H	15	0.46
(1,1119)	1:262:A:LEU:HD13	1:258:A:PHE:H	15	0.46
(1,1083)	1:246:A:THR:HG21	1:250:A:THR:HA	10	0.46
(1,1083)	1:246:A:THR:HG22	1:250:A:THR:HA	10	0.46
(1,1083)	1:246:A:THR:HG23	1:250:A:THR:HA	10	0.46
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	7	0.46
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	7	0.46
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	1	0.46
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	1	0.46
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	1	0.46
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	1	0.46
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	1	0.46
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	10	0.46
(1,706)	1:262:A:LEU:HD11	1:258:A:PHE:H	15	0.46
(1,706)	1:262:A:LEU:HD12	1:258:A:PHE:H	15	0.46
(1,706)	1:262:A:LEU:HD13	1:258:A:PHE:H	15	0.46
(1,670)	1:246:A:THR:HG21	1:250:A:THR:HA	10	0.46
(1,670)	1:246:A:THR:HG22	1:250:A:THR:HA	10	0.46
(1,670)	1:246:A:THR:HG23	1:250:A:THR:HA	10	0.46
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	7	0.46
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	7	0.46
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	1	0.46
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	1	0.46
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	1	0.46
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	1	0.46
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	1	0.46
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	1	0.46
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	10	0.46
(1,293)	1:262:A:LEU:HD11	1:258:A:PHE:H	15	0.46
(1,293)	1:262:A:LEU:HD12	1:258:A:PHE:H	15	0.46
(1,293)	1:262:A:LEU:HD13	1:258:A:PHE:H	15	0.46
(1,257)	1:246:A:THR:HG21	1:250:A:THR:HA	10	0.46
(1,257)	1:246:A:THR:HG22	1:250:A:THR:HA	10	0.46
(1,257)	1:246:A:THR:HG23	1:250:A:THR:HA	10	0.46
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	7	0.46
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	7	0.46
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	1	0.46
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	1	0.46
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	1	0.46
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	1	0.46
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	1	0.46
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	1	0.46
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB2	8	0.45
(1,2290)	1:246:A:THR:HG21	1:247:A:TYR:HB3	8	0.45
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB2	8	0.45
(1,2290)	1:246:A:THR:HG22	1:247:A:TYR:HB3	8	0.45
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB2	8	0.45
(1,2290)	1:246:A:THR:HG23	1:247:A:TYR:HB3	8	0.45
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB2	8	0.45
(1,2289)	1:246:A:THR:HG21	1:247:A:TYR:HB3	8	0.45
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB2	8	0.45
(1,2289)	1:246:A:THR:HG22	1:247:A:TYR:HB3	8	0.45
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB2	8	0.45
(1,2289)	1:246:A:THR:HG23	1:247:A:TYR:HB3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB2	8	0.45
(1,2288)	1:246:A:THR:HG21	1:247:A:TYR:HB3	8	0.45
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB2	8	0.45
(1,2288)	1:246:A:THR:HG22	1:247:A:TYR:HB3	8	0.45
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB2	8	0.45
(1,2288)	1:246:A:THR:HG23	1:247:A:TYR:HB3	8	0.45
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB2	8	0.45
(1,2287)	1:246:A:THR:HG21	1:247:A:TYR:HB3	8	0.45
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB2	8	0.45
(1,2287)	1:246:A:THR:HG22	1:247:A:TYR:HB3	8	0.45
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB2	8	0.45
(1,2287)	1:246:A:THR:HG23	1:247:A:TYR:HB3	8	0.45
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB2	8	0.45
(1,2286)	1:246:A:THR:HG21	1:247:A:TYR:HB3	8	0.45
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB2	8	0.45
(1,2286)	1:246:A:THR:HG22	1:247:A:TYR:HB3	8	0.45
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB2	8	0.45
(1,2286)	1:246:A:THR:HG23	1:247:A:TYR:HB3	8	0.45
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	2	0.45
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	2	0.45
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	2	0.45
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	2	0.45
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	2	0.45
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	2	0.45
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	11	0.45
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	11	0.45
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	11	0.45
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	11	0.45
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	11	0.45
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	11	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	1	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	1	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	1	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	1	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	1	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	1	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	2	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	2	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	2	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	2	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	2	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	3	0.45
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	3	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	3	0.45
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	3	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	3	0.45
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	3	0.45
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	2	0.45
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	2	0.45
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	2	0.45
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	2	0.45
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	2	0.45
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	2	0.45
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	11	0.45
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	11	0.45
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	11	0.45
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	11	0.45
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	11	0.45
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	11	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	1	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	1	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	1	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	1	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	1	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	1	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	2	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	2	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	2	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	2	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	2	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	2	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	3	0.45
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	3	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	3	0.45
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	3	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	3	0.45
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	3	0.45
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	2	0.45
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	2	0.45
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	2	0.45
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	2	0.45
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	2	0.45
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	11	0.45
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	11	0.45
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	11	0.45
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	11	0.45
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	11	0.45
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	11	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	1	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	1	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	1	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	1	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	1	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	1	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	2	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	2	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	2	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	2	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	2	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	2	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	3	0.45
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	3	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	3	0.45
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	3	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	3	0.45
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	3	0.45
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	2	0.45
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	2	0.45
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	2	0.45
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	2	0.45
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	2	0.45
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	2	0.45
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	11	0.45
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	11	0.45
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	11	0.45
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	11	0.45
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	11	0.45
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	11	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	1	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	1	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	1	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	1	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	1	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	2	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	2	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	2	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	2	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	2	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	2	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	3	0.45
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	3	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	3	0.45
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	3	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	3	0.45
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	3	0.45
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	2	0.45
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	2	0.45
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	2	0.45
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	2	0.45
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	2	0.45
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	2	0.45
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	11	0.45
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	11	0.45
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	11	0.45
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	11	0.45
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	11	0.45
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	11	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	1	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	1	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	1	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	1	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	1	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	1	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	2	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	2	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	2	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	2	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	2	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	2	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	3	0.45
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	3	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	3	0.45
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	3	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	3	0.45
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.45
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	13	0.45
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	1	0.45
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	13	0.45
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	13	0.45
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	5	0.45
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	5	0.45
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	5	0.45
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	5	0.45
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	5	0.45
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	5	0.45
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	8	0.45
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	8	0.45
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	1	0.45
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	1	0.45
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.45
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	13	0.45
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	1	0.45
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	13	0.45
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	13	0.45
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	5	0.45
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	5	0.45
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	5	0.45
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	5	0.45
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	5	0.45
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	5	0.45
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	8	0.45
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	8	0.45
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	1	0.45
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	1	0.45
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.45
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	13	0.45
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	1	0.45
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	13	0.45
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	13	0.45
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	5	0.45
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	5	0.45
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	5	0.45
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	5	0.45
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	5	0.45
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	5	0.45
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	8	0.45
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	1	0.45
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	1	0.45
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.45
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	13	0.45
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	1	0.45
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	13	0.45
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	13	0.45
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	5	0.45
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	5	0.45
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	5	0.45
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	5	0.45
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	5	0.45
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	5	0.45
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	8	0.45
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	8	0.45
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	1	0.45
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	1	0.45
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	14	0.45
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	13	0.45
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	1	0.45
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	13	0.45
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	13	0.45
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	5	0.45
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	5	0.45
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	5	0.45
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	5	0.45
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	5	0.45
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	5	0.45
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	8	0.45
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	8	0.45
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	1	0.45
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	1	0.45
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.44
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.44
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.44
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.44
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.44
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.44
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.44
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.44
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.44
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.44
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.44
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	12	0.44
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	12	0.44
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	12	0.44
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	3	0.44
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	3	0.44
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	3	0.44
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	3	0.44
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	3	0.44
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	3	0.44
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	3	0.44
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	3	0.44
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	3	0.44
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	7	0.44
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	7	0.44
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	7	0.44
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	7	0.44
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	7	0.44
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	7	0.44
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	3	0.44
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	3	0.44
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	3	0.44
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	3	0.44
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	3	0.44
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	3	0.44
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	3	0.44
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	3	0.44
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	3	0.44
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	7	0.44
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	7	0.44
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	7	0.44
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	7	0.44
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	7	0.44
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	7	0.44
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	3	0.44
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	3	0.44
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	3	0.44
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	3	0.44
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	3	0.44
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	3	0.44
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	3	0.44
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	3	0.44
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	7	0.44
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	7	0.44
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	7	0.44
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	7	0.44
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	7	0.44
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	7	0.44
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	3	0.44
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	3	0.44
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	3	0.44
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	3	0.44
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	3	0.44
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	3	0.44
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	3	0.44
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	3	0.44
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	3	0.44
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	7	0.44
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	7	0.44
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	7	0.44
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	7	0.44
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	7	0.44
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	7	0.44
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	3	0.44
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	3	0.44
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	3	0.44
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	3	0.44
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	3	0.44
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	3	0.44
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	3	0.44
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	3	0.44
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	3	0.44
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	7	0.44
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	7	0.44
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	7	0.44
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	7	0.44
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	7	0.44
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	7	0.44
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB2	1	0.44
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB3	1	0.44
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	4	0.44
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	5	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	9	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	9	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	9	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	12	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	12	0.44
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	12	0.44
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	1	0.44
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	1	0.44
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	15	0.44
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	11	0.44
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	11	0.44
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	11	0.44
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	11	0.44
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	11	0.44
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	11	0.44
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB2	1	0.44
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB3	1	0.44
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	1	0.44
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	4	0.44
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	5	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	9	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	9	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	9	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	12	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	12	0.44
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	12	0.44
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	1	0.44
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	1	0.44
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	15	0.44
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	11	0.44
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	11	0.44
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	11	0.44
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	11	0.44
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	11	0.44
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	11	0.44
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB2	1	0.44
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB3	1	0.44
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	1	0.44
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	4	0.44
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	9	0.44
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	9	0.44
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	9	0.44
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	12	0.44
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	12	0.44
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	12	0.44
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	1	0.44
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	1	0.44
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	15	0.44
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	11	0.44
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	11	0.44
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	11	0.44
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	11	0.44
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	11	0.44
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	11	0.44
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB2	1	0.44
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB3	1	0.44
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	1	0.44
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	4	0.44
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	5	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	9	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	9	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	9	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	12	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	12	0.44
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	12	0.44
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	1	0.44
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	1	0.44
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	15	0.44
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	11	0.44
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	11	0.44
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	11	0.44
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	11	0.44
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	11	0.44
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	11	0.44
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB2	1	0.44
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB3	1	0.44
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	1	0.44
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	4	0.44
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	5	0.44
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	9	0.44
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	9	0.44
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	12	0.44
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	12	0.44
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	12	0.44
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	1	0.44
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	1	0.44
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	15	0.44
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	11	0.44
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	11	0.44
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	11	0.44
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	11	0.44
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	11	0.44
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	11	0.44
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD2	4	0.43
(1,2395)	1:308:A:ASN:H	1:307:A:ARG:HD3	4	0.43
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD2	4	0.43
(1,2394)	1:308:A:ASN:H	1:307:A:ARG:HD3	4	0.43
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD2	4	0.43
(1,2393)	1:308:A:ASN:H	1:307:A:ARG:HD3	4	0.43
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD2	4	0.43
(1,2392)	1:308:A:ASN:H	1:307:A:ARG:HD3	4	0.43
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD2	4	0.43
(1,2391)	1:308:A:ASN:H	1:307:A:ARG:HD3	4	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	1	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	1	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	1	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	3	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	3	0.43
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	3	0.43
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	13	0.43
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	13	0.43
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	13	0.43
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	13	0.43
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	13	0.43
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	13	0.43
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	13	0.43
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	13	0.43
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	13	0.43
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	1	0.43
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	1	0.43
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	1	0.43
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	1	0.43
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	1	0.43
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	4	0.43
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	4	0.43
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	4	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	1	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	1	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	1	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	3	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	3	0.43
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	3	0.43
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	13	0.43
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	13	0.43
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	13	0.43
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	13	0.43
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	13	0.43
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	13	0.43
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	13	0.43
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	13	0.43
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	13	0.43
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	1	0.43
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	1	0.43
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	1	0.43
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	1	0.43
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	1	0.43
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	1	0.43
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	4	0.43
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	4	0.43
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	4	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	1	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	1	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	1	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	3	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	3	0.43
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	3	0.43
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	13	0.43
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	13	0.43
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	13	0.43
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	13	0.43
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	13	0.43
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	13	0.43
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	13	0.43
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	13	0.43
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	1	0.43
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	1	0.43
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	1	0.43
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	1	0.43
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	1	0.43
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	1	0.43
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	4	0.43
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	4	0.43
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	4	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	1	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	1	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	1	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	3	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	3	0.43
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	3	0.43
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	13	0.43
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	13	0.43
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	13	0.43
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	13	0.43
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	13	0.43
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	13	0.43
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	13	0.43
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	13	0.43
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	13	0.43
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	1	0.43
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	1	0.43
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	1	0.43
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	1	0.43
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	1	0.43
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	1	0.43
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	4	0.43
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	4	0.43
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	4	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	1	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	1	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	1	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	3	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	3	0.43
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	3	0.43
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	13	0.43
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	13	0.43
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	13	0.43
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	13	0.43
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	13	0.43
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	13	0.43
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	13	0.43
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	13	0.43
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	1	0.43
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	1	0.43
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	1	0.43
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	1	0.43
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	1	0.43
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	1	0.43
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	4	0.43
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	4	0.43
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	4	0.43
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	2	0.43
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB2	4	0.43
(1,2021)	1:305:A:GLU:H	1:304:A:ASP:HB3	4	0.43
(1,1995)	1:299:A:LEU:HD21	1:300:A:VAL:H	12	0.43
(1,1995)	1:299:A:LEU:HD22	1:300:A:VAL:H	12	0.43
(1,1995)	1:299:A:LEU:HD23	1:300:A:VAL:H	12	0.43
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	12	0.43
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	12	0.43
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	10	0.43
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	9	0.43
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	9	0.43
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	8	0.43
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	5	0.43
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	12	0.43
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	12	0.43
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	4	0.43
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	4	0.43
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	2	0.43
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB2	4	0.43
(1,1608)	1:305:A:GLU:H	1:304:A:ASP:HB3	4	0.43
(1,1582)	1:299:A:LEU:HD21	1:300:A:VAL:H	12	0.43
(1,1582)	1:299:A:LEU:HD22	1:300:A:VAL:H	12	0.43
(1,1582)	1:299:A:LEU:HD23	1:300:A:VAL:H	12	0.43
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	12	0.43
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	10	0.43
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	9	0.43
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	9	0.43
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	8	0.43
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	5	0.43
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	12	0.43
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	12	0.43
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	4	0.43
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	4	0.43
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	2	0.43
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB2	4	0.43
(1,1195)	1:305:A:GLU:H	1:304:A:ASP:HB3	4	0.43
(1,1169)	1:299:A:LEU:HD21	1:300:A:VAL:H	12	0.43
(1,1169)	1:299:A:LEU:HD22	1:300:A:VAL:H	12	0.43
(1,1169)	1:299:A:LEU:HD23	1:300:A:VAL:H	12	0.43
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	12	0.43
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	12	0.43
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	10	0.43
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	9	0.43
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	9	0.43
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	8	0.43
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	5	0.43
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	12	0.43
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	12	0.43
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	4	0.43
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	4	0.43
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	2	0.43
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB2	4	0.43
(1,782)	1:305:A:GLU:H	1:304:A:ASP:HB3	4	0.43
(1,756)	1:299:A:LEU:HD21	1:300:A:VAL:H	12	0.43
(1,756)	1:299:A:LEU:HD22	1:300:A:VAL:H	12	0.43
(1,756)	1:299:A:LEU:HD23	1:300:A:VAL:H	12	0.43
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	12	0.43
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	12	0.43
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	10	0.43
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	9	0.43
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	9	0.43
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	8	0.43
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	5	0.43
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	12	0.43
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	12	0.43
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	4	0.43
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	2	0.43
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB2	4	0.43
(1,369)	1:305:A:GLU:H	1:304:A:ASP:HB3	4	0.43
(1,343)	1:299:A:LEU:HD21	1:300:A:VAL:H	12	0.43
(1,343)	1:299:A:LEU:HD22	1:300:A:VAL:H	12	0.43
(1,343)	1:299:A:LEU:HD23	1:300:A:VAL:H	12	0.43
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	12	0.43
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	12	0.43
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	10	0.43
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	9	0.43
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	9	0.43
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	8	0.43
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	5	0.43
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	12	0.43
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	12	0.43
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	4	0.43
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	4	0.43
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	14	0.42
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	14	0.42
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	14	0.42
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	14	0.42
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	14	0.42
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	14	0.42
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	14	0.42
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	14	0.42
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	14	0.42
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	14	0.42
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	14	0.42
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	14	0.42
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	14	0.42
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	14	0.42
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	14	0.42
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	5	0.42
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	5	0.42
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	5	0.42
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	2	0.42
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	2	0.42
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	2	0.42
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	13	0.42
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	13	0.42
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	5	0.42
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	5	0.42
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	5	0.42
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	5	0.42
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	5	0.42
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	5	0.42
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	10	0.42
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	10	0.42
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	10	0.42
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.42
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.42
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.42
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.42
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.42
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.42
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	5	0.42
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	5	0.42
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	5	0.42
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	2	0.42
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	2	0.42
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	2	0.42
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	13	0.42
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	13	0.42
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	13	0.42
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	5	0.42
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	5	0.42
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	5	0.42
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	5	0.42
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	5	0.42
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	5	0.42
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	10	0.42
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	10	0.42
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	10	0.42
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.42
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.42
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.42
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.42
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.42
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.42
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	5	0.42
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	5	0.42
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	2	0.42
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	2	0.42
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	2	0.42
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	13	0.42
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	13	0.42
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	13	0.42
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	5	0.42
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	5	0.42
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	5	0.42
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	5	0.42
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	5	0.42
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	5	0.42
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	10	0.42
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	10	0.42
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	10	0.42
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.42
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.42
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.42
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.42
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.42
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.42
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	5	0.42
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	5	0.42
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	5	0.42
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	2	0.42
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	2	0.42
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	2	0.42
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	13	0.42
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	13	0.42
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	13	0.42
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	5	0.42
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	5	0.42
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	5	0.42
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	5	0.42
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	5	0.42
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	5	0.42
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	10	0.42
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	10	0.42
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	10	0.42
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.42
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.42
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.42
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.42
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.42
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	5	0.42
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	5	0.42
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	5	0.42
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	2	0.42
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	2	0.42
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	2	0.42
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	13	0.42
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	13	0.42
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	13	0.42
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	5	0.42
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	5	0.42
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	5	0.42
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	5	0.42
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	5	0.42
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	5	0.42
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	10	0.42
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	10	0.42
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	10	0.42
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	15	0.42
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	15	0.42
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	15	0.42
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	15	0.42
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	15	0.42
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	15	0.42
(1,2062)	1:317:A:LEU:HD21	1:316:A:PRO:HA	12	0.42
(1,2062)	1:317:A:LEU:HD22	1:316:A:PRO:HA	12	0.42
(1,2062)	1:317:A:LEU:HD23	1:316:A:PRO:HA	12	0.42
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	2	0.42
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	2	0.42
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	2	0.42
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	2	0.42
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	2	0.42
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	2	0.42
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	2	0.42
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	2	0.42
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	2	0.42
(1,2007)	1:301:A:THR:H	1:300:A:VAL:HB	4	0.42
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	10	0.42
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	13	0.42
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	13	0.42
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	14	0.42
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	14	0.42
(1,1981)	1:296:A:TYR:H	1:296:A:TYR:HB3	8	0.42
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	10	0.42
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	10	0.42
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	7	0.42
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	7	0.42
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	7	0.42
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	7	0.42
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	7	0.42
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	7	0.42
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	7	0.42
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	15	0.42
(1,1884)	1:241:A:ILE:HD11	1:240:A:ASP:H	12	0.42
(1,1884)	1:241:A:ILE:HD12	1:240:A:ASP:H	12	0.42
(1,1884)	1:241:A:ILE:HD13	1:240:A:ASP:H	12	0.42
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	8	0.42
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	8	0.42
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG2	12	0.42
(1,1691)	1:191:A:THR:H	1:190:A:GLU:HG3	12	0.42
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.42
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.42
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.42
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.42
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.42
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.42
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	10	0.42
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	10	0.42
(1,1649)	1:317:A:LEU:HD21	1:316:A:PRO:HA	12	0.42
(1,1649)	1:317:A:LEU:HD22	1:316:A:PRO:HA	12	0.42
(1,1649)	1:317:A:LEU:HD23	1:316:A:PRO:HA	12	0.42
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	2	0.42
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	2	0.42
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	2	0.42
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	2	0.42
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	2	0.42
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	2	0.42
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	2	0.42
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	2	0.42
(1,1594)	1:301:A:THR:H	1:300:A:VAL:HB	4	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	10	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	10	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	13	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	13	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	14	0.42
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	14	0.42
(1,1568)	1:296:A:TYR:H	1:296:A:TYR:HB3	8	0.42
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	10	0.42
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	10	0.42
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	7	0.42
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	7	0.42
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	7	0.42
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	7	0.42
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	7	0.42
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	7	0.42
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	7	0.42
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	15	0.42
(1,1471)	1:241:A:ILE:HD11	1:240:A:ASP:H	12	0.42
(1,1471)	1:241:A:ILE:HD12	1:240:A:ASP:H	12	0.42
(1,1471)	1:241:A:ILE:HD13	1:240:A:ASP:H	12	0.42
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	8	0.42
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	8	0.42
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG2	12	0.42
(1,1278)	1:191:A:THR:H	1:190:A:GLU:HG3	12	0.42
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.42
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.42
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.42
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.42
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.42
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.42
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	10	0.42
(1,1236)	1:317:A:LEU:HD21	1:316:A:PRO:HA	12	0.42
(1,1236)	1:317:A:LEU:HD22	1:316:A:PRO:HA	12	0.42
(1,1236)	1:317:A:LEU:HD23	1:316:A:PRO:HA	12	0.42
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	2	0.42
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	2	0.42
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	2	0.42
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	2	0.42
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	2	0.42
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	2	0.42
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	2	0.42
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	2	0.42
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	2	0.42
(1,1181)	1:301:A:THR:H	1:300:A:VAL:HB	4	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	10	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	10	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	13	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	13	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	14	0.42
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	14	0.42
(1,1155)	1:296:A:TYR:H	1:296:A:TYR:HB3	8	0.42
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	10	0.42
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	10	0.42
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	7	0.42
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	7	0.42
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	7	0.42
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	7	0.42
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	7	0.42
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	7	0.42
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	7	0.42
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	15	0.42
(1,1058)	1:241:A:ILE:HD11	1:240:A:ASP:H	12	0.42
(1,1058)	1:241:A:ILE:HD12	1:240:A:ASP:H	12	0.42
(1,1058)	1:241:A:ILE:HD13	1:240:A:ASP:H	12	0.42
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	8	0.42
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	8	0.42
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:191:A:THR:H	1:190:A:GLU:HG3	12	0.42
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.42
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.42
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.42
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.42
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.42
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.42
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	10	0.42
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	10	0.42
(1,823)	1:317:A:LEU:HD21	1:316:A:PRO:HA	12	0.42
(1,823)	1:317:A:LEU:HD22	1:316:A:PRO:HA	12	0.42
(1,823)	1:317:A:LEU:HD23	1:316:A:PRO:HA	12	0.42
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	2	0.42
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	2	0.42
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	2	0.42
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	2	0.42
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	2	0.42
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	2	0.42
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	2	0.42
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	2	0.42
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	2	0.42
(1,768)	1:301:A:THR:H	1:300:A:VAL:HB	4	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	10	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	10	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	13	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	13	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	14	0.42
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	14	0.42
(1,742)	1:296:A:TYR:H	1:296:A:TYR:HB3	8	0.42
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	10	0.42
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	10	0.42
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	7	0.42
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	7	0.42
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	7	0.42
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	7	0.42
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	7	0.42
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	7	0.42
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	7	0.42
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	7	0.42
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	7	0.42
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	7	0.42
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	7	0.42
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	15	0.42
(1,645)	1:241:A:ILE:HD11	1:240:A:ASP:H	12	0.42
(1,645)	1:241:A:ILE:HD12	1:240:A:ASP:H	12	0.42
(1,645)	1:241:A:ILE:HD13	1:240:A:ASP:H	12	0.42
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	8	0.42
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	8	0.42
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG2	12	0.42
(1,452)	1:191:A:THR:H	1:190:A:GLU:HG3	12	0.42
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.42
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.42
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.42
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.42
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.42
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.42
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	10	0.42
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	10	0.42
(1,410)	1:317:A:LEU:HD21	1:316:A:PRO:HA	12	0.42
(1,410)	1:317:A:LEU:HD22	1:316:A:PRO:HA	12	0.42
(1,410)	1:317:A:LEU:HD23	1:316:A:PRO:HA	12	0.42
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	2	0.42
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	2	0.42
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	2	0.42
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	2	0.42
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	2	0.42
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	2	0.42
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	2	0.42
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	2	0.42
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	2	0.42
(1,355)	1:301:A:THR:H	1:300:A:VAL:HB	4	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	10	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	10	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	13	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	13	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	14	0.42
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	14	0.42
(1,329)	1:296:A:TYR:H	1:296:A:TYR:HB3	8	0.42
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	10	0.42
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	10	0.42
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	7	0.42
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	7	0.42
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	7	0.42
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	7	0.42
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	7	0.42
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	7	0.42
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	7	0.42
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	7	0.42
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	7	0.42
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	7	0.42
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	7	0.42
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	15	0.42
(1,232)	1:241:A:ILE:HD11	1:240:A:ASP:H	12	0.42
(1,232)	1:241:A:ILE:HD12	1:240:A:ASP:H	12	0.42
(1,232)	1:241:A:ILE:HD13	1:240:A:ASP:H	12	0.42
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	8	0.42
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	8	0.42
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG2	12	0.42
(1,39)	1:191:A:THR:H	1:190:A:GLU:HG3	12	0.42
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	9	0.42
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	9	0.42
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	9	0.42
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	9	0.42
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	9	0.42
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	9	0.42
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	10	0.42
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	10	0.42
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	5	0.41
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	5	0.41
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	5	0.41
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	11	0.41
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	11	0.41
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	11	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	5	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	5	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	5	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	11	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	11	0.41
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	11	0.41
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	5	0.41
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	5	0.41
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	5	0.41
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	11	0.41
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	11	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	5	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	5	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	5	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	11	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	11	0.41
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	11	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	5	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	5	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	5	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	11	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	11	0.41
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	11	0.41
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG21	13	0.41
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG22	13	0.41
(1,2315)	1:253:A:THR:HG21	1:254:A:VAL:HG23	13	0.41
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG21	13	0.41
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG22	13	0.41
(1,2315)	1:253:A:THR:HG22	1:254:A:VAL:HG23	13	0.41
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG21	13	0.41
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG22	13	0.41
(1,2315)	1:253:A:THR:HG23	1:254:A:VAL:HG23	13	0.41
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG21	13	0.41
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG22	13	0.41
(1,2314)	1:253:A:THR:HG21	1:254:A:VAL:HG23	13	0.41
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG21	13	0.41
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG22	13	0.41
(1,2314)	1:253:A:THR:HG22	1:254:A:VAL:HG23	13	0.41
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG21	13	0.41
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG22	13	0.41
(1,2314)	1:253:A:THR:HG23	1:254:A:VAL:HG23	13	0.41
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG21	13	0.41
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG22	13	0.41
(1,2313)	1:253:A:THR:HG21	1:254:A:VAL:HG23	13	0.41
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG21	13	0.41
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG22	13	0.41
(1,2313)	1:253:A:THR:HG22	1:254:A:VAL:HG23	13	0.41
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG21	13	0.41
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG22	13	0.41
(1,2313)	1:253:A:THR:HG23	1:254:A:VAL:HG23	13	0.41
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG21	13	0.41
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG22	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:253:A:THR:HG21	1:254:A:VAL:HG23	13	0.41
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG21	13	0.41
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG22	13	0.41
(1,2312)	1:253:A:THR:HG22	1:254:A:VAL:HG23	13	0.41
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG21	13	0.41
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG22	13	0.41
(1,2312)	1:253:A:THR:HG23	1:254:A:VAL:HG23	13	0.41
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG21	13	0.41
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG22	13	0.41
(1,2311)	1:253:A:THR:HG21	1:254:A:VAL:HG23	13	0.41
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG21	13	0.41
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG22	13	0.41
(1,2311)	1:253:A:THR:HG22	1:254:A:VAL:HG23	13	0.41
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG21	13	0.41
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG22	13	0.41
(1,2311)	1:253:A:THR:HG23	1:254:A:VAL:HG23	13	0.41
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.41
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.41
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.41
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.41
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.41
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.41
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.41
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.41
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	10	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	10	0.41
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	10	0.41
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	10	0.41
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	10	0.41
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	10	0.41
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	11	0.41
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	11	0.41
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	11	0.41
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	11	0.41
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	11	0.41
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	11	0.41
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.41
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.41
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.41
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.41
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.41
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.41
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.41
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	10	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	10	0.41
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	10	0.41
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	10	0.41
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	10	0.41
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	10	0.41
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	11	0.41
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	11	0.41
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	11	0.41
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	11	0.41
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	11	0.41
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	11	0.41
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.41
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.41
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.41
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.41
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.41
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.41
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.41
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.41
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	10	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	10	0.41
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	10	0.41
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	10	0.41
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	10	0.41
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	10	0.41
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	11	0.41
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	11	0.41
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	11	0.41
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	11	0.41
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	11	0.41
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	11	0.41
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.41
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.41
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.41
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.41
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.41
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.41
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.41
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	10	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	10	0.41
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	10	0.41
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	10	0.41
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	10	0.41
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	10	0.41
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	11	0.41
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	11	0.41
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	11	0.41
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	11	0.41
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	11	0.41
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	11	0.41
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	10	0.41
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	10	0.41
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	10	0.41
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	10	0.41
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	10	0.41
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	10	0.41
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	10	0.41
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	10	0.41
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	10	0.41
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	10	0.41
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	10	0.41
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	10	0.41
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	10	0.41
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	10	0.41
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	10	0.41
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	11	0.41
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	11	0.41
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	11	0.41
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	11	0.41
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	11	0.41
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	11	0.41
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	1	0.41
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	1	0.41
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	1	0.41
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	1	0.41
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	1	0.41
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	2	0.41
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	2	0.41
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	2	0.41
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	9	0.41
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	9	0.41
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	9	0.41
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	9	0.41
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	9	0.41
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	9	0.41
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	9	0.41
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	9	0.41
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	9	0.41
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	11	0.41
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	11	0.41
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	11	0.41
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	11	0.41
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	11	0.41
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	11	0.41
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	7	0.41
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	8	0.41
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	8	0.41
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	10	0.41
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	10	0.41
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	10	0.41
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	10	0.41
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	10	0.41
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	10	0.41
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	1	0.41
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	1	0.41
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	10	0.41
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	10	0.41
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	14	0.41
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.41
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.41
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	1	0.41
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	1	0.41
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	1	0.41
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	1	0.41
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	1	0.41
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	1	0.41
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	2	0.41
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	2	0.41
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	2	0.41
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	9	0.41
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	9	0.41
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	9	0.41
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	9	0.41
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	9	0.41
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	9	0.41
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	9	0.41
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	9	0.41
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	9	0.41
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	11	0.41
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	11	0.41
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	11	0.41
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	11	0.41
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	11	0.41
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	11	0.41
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	7	0.41
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	8	0.41
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	8	0.41
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	8	0.41
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	8	0.41
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	8	0.41
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	8	0.41
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	10	0.41
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	10	0.41
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	10	0.41
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	10	0.41
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	10	0.41
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	10	0.41
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	10	0.41
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	1	0.41
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	1	0.41
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	10	0.41
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	10	0.41
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	14	0.41
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.41
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.41
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	1	0.41
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	1	0.41
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	1	0.41
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	1	0.41
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	1	0.41
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	1	0.41
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	2	0.41
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	2	0.41
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	2	0.41
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	9	0.41
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	9	0.41
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	9	0.41
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	9	0.41
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	9	0.41
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	9	0.41
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	9	0.41
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	9	0.41
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	9	0.41
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	11	0.41
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	11	0.41
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	11	0.41
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	11	0.41
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	11	0.41
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	7	0.41
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	8	0.41
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	8	0.41
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	10	0.41
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	10	0.41
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	10	0.41
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	10	0.41
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	10	0.41
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	10	0.41
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	10	0.41
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	1	0.41
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	1	0.41
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	10	0.41
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	10	0.41
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	14	0.41
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.41
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.41
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	1	0.41
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	1	0.41
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	1	0.41
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	1	0.41
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	1	0.41
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	2	0.41
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	2	0.41
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	2	0.41
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	9	0.41
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	9	0.41
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	9	0.41
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	9	0.41
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	9	0.41
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	9	0.41
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	9	0.41
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	9	0.41
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	9	0.41
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	11	0.41
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	11	0.41
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	11	0.41
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	11	0.41
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	11	0.41
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	11	0.41
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	7	0.41
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	8	0.41
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	8	0.41
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	10	0.41
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	10	0.41
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	10	0.41
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	10	0.41
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	10	0.41
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	10	0.41
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	1	0.41
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	1	0.41
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	10	0.41
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	10	0.41
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	14	0.41
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.41
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.41
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	1	0.41
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	1	0.41
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	1	0.41
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	1	0.41
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	1	0.41
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	1	0.41
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	2	0.41
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	2	0.41
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	2	0.41
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	9	0.41
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	9	0.41
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	9	0.41
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	9	0.41
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	9	0.41
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	9	0.41
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	9	0.41
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	9	0.41
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	9	0.41
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	11	0.41
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	11	0.41
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	11	0.41
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	11	0.41
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	11	0.41
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	11	0.41
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	7	0.41
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	8	0.41
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	8	0.41
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	8	0.41
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	8	0.41
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	8	0.41
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	8	0.41
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	10	0.41
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	10	0.41
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	10	0.41
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	10	0.41
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	10	0.41
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	10	0.41
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	10	0.41
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	1	0.41
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	1	0.41
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	10	0.41
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	10	0.41
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	14	0.41
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	11	0.41
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	11	0.41
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	2	0.4
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	2	0.4
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	2	0.4
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	2	0.4
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	2	0.4
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	2	0.4
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	2	0.4
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	2	0.4
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	2	0.4
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	2	0.4
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	8	0.4
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	8	0.4
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	8	0.4
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	8	0.4
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	8	0.4
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	8	0.4
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	7	0.4
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	7	0.4
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	5	0.4
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	5	0.4
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	5	0.4
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	5	0.4
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	5	0.4
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	5	0.4
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	6	0.4
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	6	0.4
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	6	0.4
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	6	0.4
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	6	0.4
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	6	0.4
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	8	0.4
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	8	0.4
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	8	0.4
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	8	0.4
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	8	0.4
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	8	0.4
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	7	0.4
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	7	0.4
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	7	0.4
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	5	0.4
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	5	0.4
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	5	0.4
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	5	0.4
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	5	0.4
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	5	0.4
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	6	0.4
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	6	0.4
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	6	0.4
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	6	0.4
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	6	0.4
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	6	0.4
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	8	0.4
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	8	0.4
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	8	0.4
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	8	0.4
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	8	0.4
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	8	0.4
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	7	0.4
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	7	0.4
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	5	0.4
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	5	0.4
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	5	0.4
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	5	0.4
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	5	0.4
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	5	0.4
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	6	0.4
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	6	0.4
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	6	0.4
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	6	0.4
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	6	0.4
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	6	0.4
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	8	0.4
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	8	0.4
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	8	0.4
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	8	0.4
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	8	0.4
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	8	0.4
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	7	0.4
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	7	0.4
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	7	0.4
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	5	0.4
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	5	0.4
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	5	0.4
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	5	0.4
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	5	0.4
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	5	0.4
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	6	0.4
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	6	0.4
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	6	0.4
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	6	0.4
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	6	0.4
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	6	0.4
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	8	0.4
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	8	0.4
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	8	0.4
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	8	0.4
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	8	0.4
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	8	0.4
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	7	0.4
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	7	0.4
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	5	0.4
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	5	0.4
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	5	0.4
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	5	0.4
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	5	0.4
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	5	0.4
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	6	0.4
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	6	0.4
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	6	0.4
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	6	0.4
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	6	0.4
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	6	0.4
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	4	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	8	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	8	0.4
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	8	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	8	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	8	0.4
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	8	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	8	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	8	0.4
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	8	0.4
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	14	0.4
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	12	0.4
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	5	0.4
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	5	0.4
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.4
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.4
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.4
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.4
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.4
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.4
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	13	0.4
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	13	0.4
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	1	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	8	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	8	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	8	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	8	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	8	0.4
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	8	0.4
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	3	0.4
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	4	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	8	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	8	0.4
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	8	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	8	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	8	0.4
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	8	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	8	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	8	0.4
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	8	0.4
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	14	0.4
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	12	0.4
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	5	0.4
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	5	0.4
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.4
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.4
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.4
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.4
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.4
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.4
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	13	0.4
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	13	0.4
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	1	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	8	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	8	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	8	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	8	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	8	0.4
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	8	0.4
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	3	0.4
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	4	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	8	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	8	0.4
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	8	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	8	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	8	0.4
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	8	0.4
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	8	0.4
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	8	0.4
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	8	0.4
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	14	0.4
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	12	0.4
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	5	0.4
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	5	0.4
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	5	0.4
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	5	0.4
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	5	0.4
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	5	0.4
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.4
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.4
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.4
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.4
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.4
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.4
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.4
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	13	0.4
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	13	0.4
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	1	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	8	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	8	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	8	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	8	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	8	0.4
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	8	0.4
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	3	0.4
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	4	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	8	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	8	0.4
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	8	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	8	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	8	0.4
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	8	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	8	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	8	0.4
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	8	0.4
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	14	0.4
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	12	0.4
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	5	0.4
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	5	0.4
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	5	0.4
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	5	0.4
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	5	0.4
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	5	0.4
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.4
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.4
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.4
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.4
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.4
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.4
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.4
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	13	0.4
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	13	0.4
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	1	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	8	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	8	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	8	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	8	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	8	0.4
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	8	0.4
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	3	0.4
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	4	0.4
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	8	0.4
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	8	0.4
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	8	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	8	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	8	0.4
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	8	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	8	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	8	0.4
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	8	0.4
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	14	0.4
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	12	0.4
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	5	0.4
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	5	0.4
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	5	0.4
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	5	0.4
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	5	0.4
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	5	0.4
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	13	0.4
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	13	0.4
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	13	0.4
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	13	0.4
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	13	0.4
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	13	0.4
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	13	0.4
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	13	0.4
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	13	0.4
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	1	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	8	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	8	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	8	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	8	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	8	0.4
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	8	0.4
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	3	0.4
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	1	0.39
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	1	0.39
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	1	0.39
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	14	0.39
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	14	0.39
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	14	0.39
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	14	0.39
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	14	0.39
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	14	0.39
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	14	0.39
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	14	0.39
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	14	0.39
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	14	0.39
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	14	0.39
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	14	0.39
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	4	0.39
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	4	0.39
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	4	0.39
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	4	0.39
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	4	0.39
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	4	0.39
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	1	0.39
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	1	0.39
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	1	0.39
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	14	0.39
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	14	0.39
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	14	0.39
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	14	0.39
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	14	0.39
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	14	0.39
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	14	0.39
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	14	0.39
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	14	0.39
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	14	0.39
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	14	0.39
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	14	0.39
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	14	0.39
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	4	0.39
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	4	0.39
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	4	0.39
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	4	0.39
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	4	0.39
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	4	0.39
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	1	0.39
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	1	0.39
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	1	0.39
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	14	0.39
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	14	0.39
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	14	0.39
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	14	0.39
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	14	0.39
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	14	0.39
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	14	0.39
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	14	0.39
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	14	0.39
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	14	0.39
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	14	0.39
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	14	0.39
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	4	0.39
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	4	0.39
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	4	0.39
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	4	0.39
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	4	0.39
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	4	0.39
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	1	0.39
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	1	0.39
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	1	0.39
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	14	0.39
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	14	0.39
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	14	0.39
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	14	0.39
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	14	0.39
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	14	0.39
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	14	0.39
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	14	0.39
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	14	0.39
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	14	0.39
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	14	0.39
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	14	0.39
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	14	0.39
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	4	0.39
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	4	0.39
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	4	0.39
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	4	0.39
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	4	0.39
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	4	0.39
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	1	0.39
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	1	0.39
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	1	0.39
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	14	0.39
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	14	0.39
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	14	0.39
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	14	0.39
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	14	0.39
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	14	0.39
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	14	0.39
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	14	0.39
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	14	0.39
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	14	0.39
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	14	0.39
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	14	0.39
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	4	0.39
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	4	0.39
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	4	0.39
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	4	0.39
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	4	0.39
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	4	0.39
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	7	0.39
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	13	0.39
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	13	0.39
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	13	0.39
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	13	0.39
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	13	0.39
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	13	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	10	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	10	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	10	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	10	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	10	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	10	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	10	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	10	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	10	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	14	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	14	0.39
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	14	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	14	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	14	0.39
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	14	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	14	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	14	0.39
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	14	0.39
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	2	0.39
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	9	0.39
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	9	0.39
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	12	0.39
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	7	0.39
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	4	0.39
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	11	0.39
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	11	0.39
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	7	0.39
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	3	0.39
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	3	0.39
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	4	0.39
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	4	0.39
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	7	0.39
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	13	0.39
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	13	0.39
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	13	0.39
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	13	0.39
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	13	0.39
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	13	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	10	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	10	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	10	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	10	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	10	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	10	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	10	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	10	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	10	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	14	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	14	0.39
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	14	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	14	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	14	0.39
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	14	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	14	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	14	0.39
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	14	0.39
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	2	0.39
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	2	0.39
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	9	0.39
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	12	0.39
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	7	0.39
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	4	0.39
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	11	0.39
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	11	0.39
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	7	0.39
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	3	0.39
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	3	0.39
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	4	0.39
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	4	0.39
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	7	0.39
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	13	0.39
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	13	0.39
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	13	0.39
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	13	0.39
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	13	0.39
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	13	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	10	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	10	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	10	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	10	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	10	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	10	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	10	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	10	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	10	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	14	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	14	0.39
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	14	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	14	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	14	0.39
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	14	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	14	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	14	0.39
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	14	0.39
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	2	0.39
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	2	0.39
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	9	0.39
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	9	0.39
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	12	0.39
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	7	0.39
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	11	0.39
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	11	0.39
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	7	0.39
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	3	0.39
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	3	0.39
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	4	0.39
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	4	0.39
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	7	0.39
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	13	0.39
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	13	0.39
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	13	0.39
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	13	0.39
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	13	0.39
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	13	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	10	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	10	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	10	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	10	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	10	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	10	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	10	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	10	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	10	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	14	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	14	0.39
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	14	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	14	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	14	0.39
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	14	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	14	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	14	0.39
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	14	0.39
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	2	0.39
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	2	0.39
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	9	0.39
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	9	0.39
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	12	0.39
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	7	0.39
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	4	0.39
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	11	0.39
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	11	0.39
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	3	0.39
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	3	0.39
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	4	0.39
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	4	0.39
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	7	0.39
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	13	0.39
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	13	0.39
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	13	0.39
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	13	0.39
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	13	0.39
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	13	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	10	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	10	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	10	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	10	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	10	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	10	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	10	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	10	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	10	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	14	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	14	0.39
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	14	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	14	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	14	0.39
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	14	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	14	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	14	0.39
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	14	0.39
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	2	0.39
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	2	0.39
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	9	0.39
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	9	0.39
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	12	0.39
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	7	0.39
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	4	0.39
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	11	0.39
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	11	0.39
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	7	0.39
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	3	0.39
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	3	0.39
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	4	0.39
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.38
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.38
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.38
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.38
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.38
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.38
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.38
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.38
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	15	0.38
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	15	0.38
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	0.38
(1,2305)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	0.38
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	0.38
(1,2305)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	0.38
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	0.38
(1,2305)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	0.38
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	0.38
(1,2304)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	0.38
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	0.38
(1,2304)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	0.38
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	0.38
(1,2304)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	0.38
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	0.38
(1,2303)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	0.38
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	0.38
(1,2303)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	0.38
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	0.38
(1,2303)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	0.38
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	0.38
(1,2302)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	0.38
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	0.38
(1,2302)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	0.38
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	0.38
(1,2302)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	0.38
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD1	15	0.38
(1,2301)	1:250:A:THR:HG21	1:251:A:TYR:HD2	15	0.38
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD1	15	0.38
(1,2301)	1:250:A:THR:HG22	1:251:A:TYR:HD2	15	0.38
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD1	15	0.38
(1,2301)	1:250:A:THR:HG23	1:251:A:TYR:HD2	15	0.38
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	10	0.38
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	10	0.38
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	10	0.38
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	10	0.38
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	10	0.38
(1,2188)	1:216:A:TRP:HE1	1:258:A:PHE:H	4	0.38
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	4	0.38
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	4	0.38
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	4	0.38
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	4	0.38
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	4	0.38
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	4	0.38
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	4	0.38
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	4	0.38
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	4	0.38
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	10	0.38
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	10	0.38
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	10	0.38
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	10	0.38
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	10	0.38
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	10	0.38
(1,2159)	1:216:A:TRP:HE1	1:258:A:PHE:H	4	0.38
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	4	0.38
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	4	0.38
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	4	0.38
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	4	0.38
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	4	0.38
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	4	0.38
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	4	0.38
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	4	0.38
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	4	0.38
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	10	0.38
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	10	0.38
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	10	0.38
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	10	0.38
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	10	0.38
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	10	0.38
(1,2130)	1:216:A:TRP:HE1	1:258:A:PHE:H	4	0.38
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	4	0.38
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	4	0.38
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	4	0.38
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	4	0.38
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	4	0.38
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	4	0.38
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	4	0.38
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	4	0.38
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	10	0.38
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	10	0.38
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	10	0.38
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	10	0.38
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	10	0.38
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	10	0.38
(1,2101)	1:216:A:TRP:HE1	1:258:A:PHE:H	4	0.38
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	4	0.38
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	4	0.38
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	4	0.38
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	4	0.38
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	4	0.38
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	4	0.38
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	4	0.38
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	4	0.38
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	4	0.38
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	10	0.38
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	10	0.38
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	10	0.38
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	10	0.38
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	10	0.38
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	10	0.38
(1,2072)	1:216:A:TRP:HE1	1:258:A:PHE:H	4	0.38
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	4	0.38
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	4	0.38
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	4	0.38
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	4	0.38
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	4	0.38
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	4	0.38
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	4	0.38
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	4	0.38
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	4	0.38
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	9	0.38
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	9	0.38
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	9	0.38
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	9	0.38
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	9	0.38
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	1	0.38
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	4	0.38
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	13	0.38
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	6	0.38
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	9	0.38
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	9	0.38
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	13	0.38
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	13	0.38
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	6	0.38
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	6	0.38
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	12	0.38
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	12	0.38
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	12	0.38
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	11	0.38
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	11	0.38
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	11	0.38
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	9	0.38
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	9	0.38
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	9	0.38
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	9	0.38
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	9	0.38
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	9	0.38
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	1	0.38
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	4	0.38
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	13	0.38
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	6	0.38
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	9	0.38
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	9	0.38
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	13	0.38
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	13	0.38
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	6	0.38
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	6	0.38
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	12	0.38
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	12	0.38
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	12	0.38
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	11	0.38
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	11	0.38
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	11	0.38
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	9	0.38
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	9	0.38
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	9	0.38
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	9	0.38
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	9	0.38
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	1	0.38
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	4	0.38
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	13	0.38
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	6	0.38
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	9	0.38
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	9	0.38
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	13	0.38
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	13	0.38
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	6	0.38
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	6	0.38
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	12	0.38
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	12	0.38
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	12	0.38
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	11	0.38
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	11	0.38
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	11	0.38
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	9	0.38
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	9	0.38
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	9	0.38
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	9	0.38
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	9	0.38
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	9	0.38
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	1	0.38
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	4	0.38
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	13	0.38
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	6	0.38
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	9	0.38
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	9	0.38
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	13	0.38
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	13	0.38
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	6	0.38
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	6	0.38
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	12	0.38
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	12	0.38
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	12	0.38
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	11	0.38
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	11	0.38
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	11	0.38
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	9	0.38
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	9	0.38
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	9	0.38
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	9	0.38
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	9	0.38
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	1	0.38
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	4	0.38
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	13	0.38
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	6	0.38
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	9	0.38
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	9	0.38
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	13	0.38
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	13	0.38
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	6	0.38
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	6	0.38
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	12	0.38
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	12	0.38
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	12	0.38
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	11	0.38
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	11	0.38
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	11	0.38
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG21	7	0.37
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG22	7	0.37
(1,2380)	1:300:A:VAL:H	1:300:A:VAL:HG23	7	0.37
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG21	7	0.37
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG22	7	0.37
(1,2379)	1:300:A:VAL:H	1:300:A:VAL:HG23	7	0.37
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG21	7	0.37
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG22	7	0.37
(1,2378)	1:300:A:VAL:H	1:300:A:VAL:HG23	7	0.37
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG21	7	0.37
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG22	7	0.37
(1,2377)	1:300:A:VAL:H	1:300:A:VAL:HG23	7	0.37
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG21	7	0.37
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG22	7	0.37
(1,2376)	1:300:A:VAL:H	1:300:A:VAL:HG23	7	0.37
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	10	0.37
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	10	0.37
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	10	0.37
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	10	0.37
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	10	0.37
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	10	0.37
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	10	0.37
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	10	0.37
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	10	0.37
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	10	0.37
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	10	0.37
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	10	0.37
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	10	0.37
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	10	0.37
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	10	0.37
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	10	0.37
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	10	0.37
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	10	0.37
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	10	0.37
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	10	0.37
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	10	0.37
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	10	0.37
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	10	0.37
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	10	0.37
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	10	0.37
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	10	0.37
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	10	0.37
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	10	0.37
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	10	0.37
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	10	0.37
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	14	0.37
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	9	0.37
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	9	0.37
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	9	0.37
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	9	0.37
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	9	0.37
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	9	0.37
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	9	0.37
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	9	0.37
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	9	0.37
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	5	0.37
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	12	0.37
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	12	0.37
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	9	0.37
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	9	0.37
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	5	0.37
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	5	0.37
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	5	0.37
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	7	0.37
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	2	0.37
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	2	0.37
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	10	0.37
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	10	0.37
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	10	0.37
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	14	0.37
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	9	0.37
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	9	0.37
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	9	0.37
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	9	0.37
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	9	0.37
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	9	0.37
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	9	0.37
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	9	0.37
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	9	0.37
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	5	0.37
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	5	0.37
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	12	0.37
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	12	0.37
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	9	0.37
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	9	0.37
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	5	0.37
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	5	0.37
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	5	0.37
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	7	0.37
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	2	0.37
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	2	0.37
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	10	0.37
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	10	0.37
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	14	0.37
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	9	0.37
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	9	0.37
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	9	0.37
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	9	0.37
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	9	0.37
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	9	0.37
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	9	0.37
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	9	0.37
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	9	0.37
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	5	0.37
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	5	0.37
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	12	0.37
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	12	0.37
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	9	0.37
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	9	0.37
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	5	0.37
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	5	0.37
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	5	0.37
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	7	0.37
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	2	0.37
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	2	0.37
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	10	0.37
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	10	0.37
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	10	0.37
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	14	0.37
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	9	0.37
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	9	0.37
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	9	0.37
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	9	0.37
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	9	0.37
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	9	0.37
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	9	0.37
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	9	0.37
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	5	0.37
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	5	0.37
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	12	0.37
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	12	0.37
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	9	0.37
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	9	0.37
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	5	0.37
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	5	0.37
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	5	0.37
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	7	0.37
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	2	0.37
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	2	0.37
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	10	0.37
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	10	0.37
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	10	0.37
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	14	0.37
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	9	0.37
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	9	0.37
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	9	0.37
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	9	0.37
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	9	0.37
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	9	0.37
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	9	0.37
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	9	0.37
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	9	0.37
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	5	0.37
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	5	0.37
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	12	0.37
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	12	0.37
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	9	0.37
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	9	0.37
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	5	0.37
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	5	0.37
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	7	0.37
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	2	0.37
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	2	0.37
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	10	0.37
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	10	0.37
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	6	0.36
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	6	0.36
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	6	0.36
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	4	0.36
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	4	0.36
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	4	0.36
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	4	0.36
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	4	0.36
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	4	0.36
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	4	0.36
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	4	0.36
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	4	0.36
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	2	0.36
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	2	0.36
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	2	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	12	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	12	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	12	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	12	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	12	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	12	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	12	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	12	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	12	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	14	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	14	0.36
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	14	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	14	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	14	0.36
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	14	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	14	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	14	0.36
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	14	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	6	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	6	0.36
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	4	0.36
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	4	0.36
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	4	0.36
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	4	0.36
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	4	0.36
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	4	0.36
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	4	0.36
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	4	0.36
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	4	0.36
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	2	0.36
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	2	0.36
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	2	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	12	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	12	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	12	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	12	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	12	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	12	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	12	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	12	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	12	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	14	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	14	0.36
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	14	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	14	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	14	0.36
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	14	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	14	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	14	0.36
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	14	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	6	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	6	0.36
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	6	0.36
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	4	0.36
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	4	0.36
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	4	0.36
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	4	0.36
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	4	0.36
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	4	0.36
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	4	0.36
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	4	0.36
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	2	0.36
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	2	0.36
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	2	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	12	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	12	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	12	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	12	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	12	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	12	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	12	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	12	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	12	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	14	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	14	0.36
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	14	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	14	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	14	0.36
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	14	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	14	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	14	0.36
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	14	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	6	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	6	0.36
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	6	0.36
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	4	0.36
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	4	0.36
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	4	0.36
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	4	0.36
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	4	0.36
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	4	0.36
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	4	0.36
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	4	0.36
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	4	0.36
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	2	0.36
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	2	0.36
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	2	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	12	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	12	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	12	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	12	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	12	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	12	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	12	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	12	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	14	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	14	0.36
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	14	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	14	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	14	0.36
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	14	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	14	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	14	0.36
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	14	0.36
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	6	0.36
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	6	0.36
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	6	0.36
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	4	0.36
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	4	0.36
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	4	0.36
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	4	0.36
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	4	0.36
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	4	0.36
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	4	0.36
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	4	0.36
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	4	0.36
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	2	0.36
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	2	0.36
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	2	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	12	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	12	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	12	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	12	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	12	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	12	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	12	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	12	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	12	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	14	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	14	0.36
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	14	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	14	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	14	0.36
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	14	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	14	0.36
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	14	0.36
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	6	0.36
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	5	0.36
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	5	0.36
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	5	0.36
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	5	0.36
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	5	0.36
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	5	0.36
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	12	0.36
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	15	0.36
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	3	0.36
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	3	0.36
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	11	0.36
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	11	0.36
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	11	0.36
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	11	0.36
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	11	0.36
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	11	0.36
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	3	0.36
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	7	0.36
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	3	0.36
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	3	0.36
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	13	0.36
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	15	0.36
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.36
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.36
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.36
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	6	0.36
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	3	0.36
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	4	0.36
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	4	0.36
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	2	0.36
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	2	0.36
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	2	0.36
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	6	0.36
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	5	0.36
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	5	0.36
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	5	0.36
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	5	0.36
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	5	0.36
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	12	0.36
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	15	0.36
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	3	0.36
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	3	0.36
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	11	0.36
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	11	0.36
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	11	0.36
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	11	0.36
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	11	0.36
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	11	0.36
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	3	0.36
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	7	0.36
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	3	0.36
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	3	0.36
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	13	0.36
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	15	0.36
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.36
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.36
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.36
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	6	0.36
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	3	0.36
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	4	0.36
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	4	0.36
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	2	0.36
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	2	0.36
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	2	0.36
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	6	0.36
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	5	0.36
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	5	0.36
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	5	0.36
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	5	0.36
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	5	0.36
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	5	0.36
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	12	0.36
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	15	0.36
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	3	0.36
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	3	0.36
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	11	0.36
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	11	0.36
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	11	0.36
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	11	0.36
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	11	0.36
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	3	0.36
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	7	0.36
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	3	0.36
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	3	0.36
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	13	0.36
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	15	0.36
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.36
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.36
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.36
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	6	0.36
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	3	0.36
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	4	0.36
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	4	0.36
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	2	0.36
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	2	0.36
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	2	0.36
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	6	0.36
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	5	0.36
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	5	0.36
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	5	0.36
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	5	0.36
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	5	0.36
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	5	0.36
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	12	0.36
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	15	0.36
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	3	0.36
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	3	0.36
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	11	0.36
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	11	0.36
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	11	0.36
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	11	0.36
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	11	0.36
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	11	0.36
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	3	0.36
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	7	0.36
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	3	0.36
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	3	0.36
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	13	0.36
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	15	0.36
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.36
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.36
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	6	0.36
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	3	0.36
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	4	0.36
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	4	0.36
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	2	0.36
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	2	0.36
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	2	0.36
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	6	0.36
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	5	0.36
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	5	0.36
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	5	0.36
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	5	0.36
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	5	0.36
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	5	0.36
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	12	0.36
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	15	0.36
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	3	0.36
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	3	0.36
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	11	0.36
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	11	0.36
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	11	0.36
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	11	0.36
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	11	0.36
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	11	0.36
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	3	0.36
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	7	0.36
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	3	0.36
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	3	0.36
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	13	0.36
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	15	0.36
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	15	0.36
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	15	0.36
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	15	0.36
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	6	0.36
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	3	0.36
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	4	0.36
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	4	0.36
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	2	0.36
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	2	0.36
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	2	0.35
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	2	0.35
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	2	0.35
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	2	0.35
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	2	0.35
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	2	0.35
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	7	0.35
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	7	0.35
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	7	0.35
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	7	0.35
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	7	0.35
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	7	0.35
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	15	0.35
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	15	0.35
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	15	0.35
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	15	0.35
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	15	0.35
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	15	0.35
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	2	0.35
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	2	0.35
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	2	0.35
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	2	0.35
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	2	0.35
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	2	0.35
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	7	0.35
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	7	0.35
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	7	0.35
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	7	0.35
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	7	0.35
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	7	0.35
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	15	0.35
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	15	0.35
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	15	0.35
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	15	0.35
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	15	0.35
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	15	0.35
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	2	0.35
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	2	0.35
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	2	0.35
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	2	0.35
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	2	0.35
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	7	0.35
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	7	0.35
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	7	0.35
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	7	0.35
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	7	0.35
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	7	0.35
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	15	0.35
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	15	0.35
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	15	0.35
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	15	0.35
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	15	0.35
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	15	0.35
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	2	0.35
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	2	0.35
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	2	0.35
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	2	0.35
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	2	0.35
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	2	0.35
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	7	0.35
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	7	0.35
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	7	0.35
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	7	0.35
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	7	0.35
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	7	0.35
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	15	0.35
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	15	0.35
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	15	0.35
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	15	0.35
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	15	0.35
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	15	0.35
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	2	0.35
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	2	0.35
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	2	0.35
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	2	0.35
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	2	0.35
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	2	0.35
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	7	0.35
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	7	0.35
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	7	0.35
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	7	0.35
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	7	0.35
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	15	0.35
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	15	0.35
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	15	0.35
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	15	0.35
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	15	0.35
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	15	0.35
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.35
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.35
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.35
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.35
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.35
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.35
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	10	0.35
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	10	0.35
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	10	0.35
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	10	0.35
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	10	0.35
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	10	0.35
(1,1945)	1:262:A:LEU:HD11	1:258:A:PHE:H	11	0.35
(1,1945)	1:262:A:LEU:HD12	1:258:A:PHE:H	11	0.35
(1,1945)	1:262:A:LEU:HD13	1:258:A:PHE:H	11	0.35
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	5	0.35
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	11	0.35
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	5	0.35
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	7	0.35
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	9	0.35
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	7	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	3	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	3	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	4	0.35
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	4	0.35
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	3	0.35
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	3	0.35
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	3	0.35
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	14	0.35
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	14	0.35
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	14	0.35
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	2	0.35
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	3	0.35
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	8	0.35
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	13	0.35
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.35
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.35
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.35
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.35
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.35
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.35
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	10	0.35
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	10	0.35
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	10	0.35
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	10	0.35
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	10	0.35
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	10	0.35
(1,1532)	1:262:A:LEU:HD11	1:258:A:PHE:H	11	0.35
(1,1532)	1:262:A:LEU:HD12	1:258:A:PHE:H	11	0.35
(1,1532)	1:262:A:LEU:HD13	1:258:A:PHE:H	11	0.35
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	5	0.35
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	11	0.35
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	5	0.35
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	7	0.35
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	9	0.35
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	7	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	3	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	3	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	4	0.35
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	4	0.35
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	3	0.35
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	3	0.35
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	3	0.35
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	14	0.35
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	14	0.35
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	14	0.35
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	2	0.35
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	3	0.35
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	8	0.35
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	13	0.35
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	13	0.35
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.35
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.35
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.35
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.35
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.35
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	10	0.35
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	10	0.35
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	10	0.35
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	10	0.35
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	10	0.35
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	10	0.35
(1,1119)	1:262:A:LEU:HD11	1:258:A:PHE:H	11	0.35
(1,1119)	1:262:A:LEU:HD12	1:258:A:PHE:H	11	0.35
(1,1119)	1:262:A:LEU:HD13	1:258:A:PHE:H	11	0.35
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	5	0.35
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	11	0.35
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	5	0.35
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	7	0.35
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	9	0.35
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	7	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	3	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	3	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	4	0.35
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	4	0.35
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	3	0.35
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	3	0.35
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	3	0.35
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	14	0.35
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	14	0.35
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	14	0.35
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	2	0.35
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	3	0.35
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	8	0.35
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	13	0.35
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	13	0.35
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.35
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.35
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.35
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.35
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.35
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.35
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	10	0.35
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	10	0.35
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	10	0.35
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	10	0.35
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	10	0.35
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:262:A:LEU:HD11	1:258:A:PHE:H	11	0.35
(1,706)	1:262:A:LEU:HD12	1:258:A:PHE:H	11	0.35
(1,706)	1:262:A:LEU:HD13	1:258:A:PHE:H	11	0.35
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	5	0.35
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	11	0.35
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	5	0.35
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	7	0.35
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	9	0.35
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	7	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	3	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	3	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	4	0.35
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	4	0.35
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	3	0.35
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	3	0.35
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	3	0.35
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	14	0.35
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	14	0.35
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	14	0.35
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	2	0.35
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	3	0.35
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	8	0.35
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	13	0.35
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	13	0.35
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	12	0.35
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	12	0.35
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	12	0.35
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	12	0.35
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	12	0.35
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	12	0.35
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	10	0.35
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	10	0.35
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	10	0.35
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	10	0.35
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	10	0.35
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	10	0.35
(1,293)	1:262:A:LEU:HD11	1:258:A:PHE:H	11	0.35
(1,293)	1:262:A:LEU:HD12	1:258:A:PHE:H	11	0.35
(1,293)	1:262:A:LEU:HD13	1:258:A:PHE:H	11	0.35
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	5	0.35
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	11	0.35
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	7	0.35
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	9	0.35
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	7	0.35
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	3	0.35
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	3	0.35
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	4	0.35
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	4	0.35
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	3	0.35
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	3	0.35
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	3	0.35
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	14	0.35
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	14	0.35
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	14	0.35
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	2	0.35
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	3	0.35
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	8	0.35
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	13	0.35
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	13	0.35
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	2	0.34
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	2	0.34
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	2	0.34
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	9	0.34
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	9	0.34
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	9	0.34
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	9	0.34
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	9	0.34
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	9	0.34
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	9	0.34
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	9	0.34
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	9	0.34
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	2	0.34
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	2	0.34
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	2	0.34
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	2	0.34
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	2	0.34
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	2	0.34
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	15	0.34
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	15	0.34
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	15	0.34
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	5	0.34
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	5	0.34
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	12	0.34
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	12	0.34
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	12	0.34
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	12	0.34
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	12	0.34
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	12	0.34
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB2	9	0.34
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB3	9	0.34
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB2	9	0.34
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB3	9	0.34
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB2	9	0.34
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB3	9	0.34
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	2	0.34
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	2	0.34
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	2	0.34
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	9	0.34
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	9	0.34
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	9	0.34
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	9	0.34
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	9	0.34
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	9	0.34
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	9	0.34
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	9	0.34
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	9	0.34
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	2	0.34
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	2	0.34
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	2	0.34
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	2	0.34
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	2	0.34
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	2	0.34
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	15	0.34
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	15	0.34
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	15	0.34
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	5	0.34
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	5	0.34
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	5	0.34
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	12	0.34
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	12	0.34
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	12	0.34
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	12	0.34
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	12	0.34
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB2	9	0.34
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB3	9	0.34
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB2	9	0.34
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB3	9	0.34
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB2	9	0.34
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB3	9	0.34
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	2	0.34
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	2	0.34
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	2	0.34
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	9	0.34
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	9	0.34
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	9	0.34
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	9	0.34
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	9	0.34
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	9	0.34
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	9	0.34
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	9	0.34
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	9	0.34
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	2	0.34
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	2	0.34
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	2	0.34
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	2	0.34
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	2	0.34
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	2	0.34
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	15	0.34
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	15	0.34
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	15	0.34
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	5	0.34
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	5	0.34
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	5	0.34
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	12	0.34
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	12	0.34
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	12	0.34
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	12	0.34
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	12	0.34
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	12	0.34
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB2	9	0.34
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB3	9	0.34
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB2	9	0.34
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB3	9	0.34
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB2	9	0.34
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB3	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	2	0.34
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	2	0.34
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	2	0.34
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	9	0.34
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	9	0.34
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	9	0.34
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	9	0.34
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	9	0.34
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	9	0.34
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	9	0.34
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	9	0.34
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	9	0.34
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	2	0.34
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	2	0.34
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	2	0.34
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	2	0.34
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	2	0.34
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	2	0.34
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	15	0.34
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	15	0.34
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	15	0.34
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	5	0.34
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	5	0.34
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	5	0.34
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	12	0.34
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	12	0.34
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	12	0.34
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	12	0.34
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	12	0.34
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	12	0.34
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB2	9	0.34
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB3	9	0.34
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB2	9	0.34
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB3	9	0.34
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB2	9	0.34
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB3	9	0.34
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	2	0.34
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	2	0.34
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	2	0.34
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	9	0.34
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	9	0.34
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	9	0.34
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	9	0.34
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	9	0.34
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	9	0.34
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	9	0.34
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	9	0.34
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	2	0.34
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	2	0.34
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	2	0.34
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	2	0.34
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	2	0.34
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	2	0.34
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	15	0.34
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	15	0.34
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	15	0.34
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	5	0.34
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	5	0.34
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	5	0.34
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	12	0.34
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	12	0.34
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	12	0.34
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	12	0.34
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	12	0.34
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	12	0.34
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB2	9	0.34
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB3	9	0.34
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB2	9	0.34
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB3	9	0.34
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB2	9	0.34
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB3	9	0.34
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	2	0.34
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	2	0.34
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	2	0.34
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	4	0.34
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	4	0.34
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	11	0.34
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.34
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.34
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	9	0.34
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	9	0.34
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	9	0.34
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	3	0.34
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	7	0.34
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	11	0.34
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	6	0.34
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	14	0.34
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	15	0.34
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	14	0.34
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	9	0.34
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	9	0.34
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	8	0.34
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	4	0.34
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	4	0.34
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	4	0.34
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	9	0.34
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	9	0.34
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	9	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	3	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	3	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	3	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	14	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	14	0.34
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	14	0.34
(1,1698)	1:192:A:LEU:HD11	1:191:A:THR:H	1	0.34
(1,1698)	1:192:A:LEU:HD12	1:191:A:THR:H	1	0.34
(1,1698)	1:192:A:LEU:HD13	1:191:A:THR:H	1	0.34
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	8	0.34
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	8	0.34
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	8	0.34
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	8	0.34
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	2	0.34
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	2	0.34
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	2	0.34
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	4	0.34
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	4	0.34
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	11	0.34
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.34
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.34
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	9	0.34
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	9	0.34
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	9	0.34
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.34
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	7	0.34
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	11	0.34
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	6	0.34
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	14	0.34
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	15	0.34
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	14	0.34
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	9	0.34
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	9	0.34
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	8	0.34
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	4	0.34
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	4	0.34
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	4	0.34
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	9	0.34
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	9	0.34
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	9	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	3	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	3	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	3	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	14	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	14	0.34
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	14	0.34
(1,1285)	1:192:A:LEU:HD11	1:191:A:THR:H	1	0.34
(1,1285)	1:192:A:LEU:HD12	1:191:A:THR:H	1	0.34
(1,1285)	1:192:A:LEU:HD13	1:191:A:THR:H	1	0.34
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	8	0.34
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	8	0.34
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	8	0.34
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	8	0.34
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	2	0.34
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	2	0.34
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	2	0.34
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	4	0.34
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	4	0.34
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	11	0.34
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.34
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.34
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	9	0.34
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	9	0.34
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	9	0.34
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.34
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	3	0.34
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	11	0.34
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	6	0.34
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	14	0.34
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	15	0.34
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	14	0.34
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	9	0.34
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	9	0.34
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	8	0.34
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	4	0.34
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	4	0.34
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	4	0.34
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	9	0.34
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	9	0.34
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	9	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	3	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	3	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	3	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	14	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	14	0.34
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	14	0.34
(1,872)	1:192:A:LEU:HD11	1:191:A:THR:H	1	0.34
(1,872)	1:192:A:LEU:HD12	1:191:A:THR:H	1	0.34
(1,872)	1:192:A:LEU:HD13	1:191:A:THR:H	1	0.34
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	8	0.34
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	8	0.34
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	8	0.34
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	8	0.34
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	2	0.34
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	2	0.34
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	2	0.34
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	4	0.34
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	4	0.34
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	11	0.34
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.34
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.34
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	9	0.34
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	9	0.34
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	9	0.34
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.34
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	3	0.34
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	7	0.34
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	6	0.34
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	14	0.34
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	15	0.34
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	14	0.34
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	9	0.34
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	9	0.34
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	8	0.34
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	4	0.34
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	4	0.34
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	4	0.34
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	9	0.34
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	9	0.34
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	9	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	3	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	3	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	3	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	14	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	14	0.34
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	14	0.34
(1,459)	1:192:A:LEU:HD11	1:191:A:THR:H	1	0.34
(1,459)	1:192:A:LEU:HD12	1:191:A:THR:H	1	0.34
(1,459)	1:192:A:LEU:HD13	1:191:A:THR:H	1	0.34
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	8	0.34
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	8	0.34
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	8	0.34
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	8	0.34
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	2	0.34
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	2	0.34
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	2	0.34
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	4	0.34
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	4	0.34
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	11	0.34
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	15	0.34
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	15	0.34
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	9	0.34
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	9	0.34
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	9	0.34
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	14	0.34
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	3	0.34
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	7	0.34
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	11	0.34
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	14	0.34
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	15	0.34
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	14	0.34
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	9	0.34
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	9	0.34
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	8	0.34
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	4	0.34
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	4	0.34
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	4	0.34
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	9	0.34
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	9	0.34
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	9	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	3	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	3	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	3	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	14	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	14	0.34
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	14	0.34
(1,46)	1:192:A:LEU:HD11	1:191:A:THR:H	1	0.34
(1,46)	1:192:A:LEU:HD12	1:191:A:THR:H	1	0.34
(1,46)	1:192:A:LEU:HD13	1:191:A:THR:H	1	0.34
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	8	0.34
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	8	0.34
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	8	0.34
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	8	0.34
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	6	0.33
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	6	0.33
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	6	0.33
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	12	0.33
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	12	0.33
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	12	0.33
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	12	0.33
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	12	0.33
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	12	0.33
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	13	0.33
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	13	0.33
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	13	0.33
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	4	0.33
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	4	0.33
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	4	0.33
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	4	0.33
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	4	0.33
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	11	0.33
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	11	0.33
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	11	0.33
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	11	0.33
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	11	0.33
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	11	0.33
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	6	0.33
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	6	0.33
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	6	0.33
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	12	0.33
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	12	0.33
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	12	0.33
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	12	0.33
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	12	0.33
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	12	0.33
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	13	0.33
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	13	0.33
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	13	0.33
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	4	0.33
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	4	0.33
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	4	0.33
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	4	0.33
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	4	0.33
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	4	0.33
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	11	0.33
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	11	0.33
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	11	0.33
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	11	0.33
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	11	0.33
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	11	0.33
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	6	0.33
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	6	0.33
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	6	0.33
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	12	0.33
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	12	0.33
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	12	0.33
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	12	0.33
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	12	0.33
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	12	0.33
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	13	0.33
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	13	0.33
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	4	0.33
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	4	0.33
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	4	0.33
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	4	0.33
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	4	0.33
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	4	0.33
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	11	0.33
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	11	0.33
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	11	0.33
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	11	0.33
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	11	0.33
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	11	0.33
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	6	0.33
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	6	0.33
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	6	0.33
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	12	0.33
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	12	0.33
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	12	0.33
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	12	0.33
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	12	0.33
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	12	0.33
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	13	0.33
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	13	0.33
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	13	0.33
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	4	0.33
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	4	0.33
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	4	0.33
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	4	0.33
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	4	0.33
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	4	0.33
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	11	0.33
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	11	0.33
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	11	0.33
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	11	0.33
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	11	0.33
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	11	0.33
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	6	0.33
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	6	0.33
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	6	0.33
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	12	0.33
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	12	0.33
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	12	0.33
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	12	0.33
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	12	0.33
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	13	0.33
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	13	0.33
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	13	0.33
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	4	0.33
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	4	0.33
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	4	0.33
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	4	0.33
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	4	0.33
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	4	0.33
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	11	0.33
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	11	0.33
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	11	0.33
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	11	0.33
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	11	0.33
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	11	0.33
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	3	0.33
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	3	0.33
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	3	0.33
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.33
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	8	0.33
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	8	0.33
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	11	0.33
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	11	0.33
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	1	0.33
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	1	0.33
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	1	0.33
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	1	0.33
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	1	0.33
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	1	0.33
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	9	0.33
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	9	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	1	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	1	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	12	0.33
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	12	0.33
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	6	0.33
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	6	0.33
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	11	0.33
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	15	0.33
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	3	0.33
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	5	0.33
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	3	0.33
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	4	0.33
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	10	0.33
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	13	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	3	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	3	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	10	0.33
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	10	0.33
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	11	0.33
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	11	0.33
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	15	0.33
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	15	0.33
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.33
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.33
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	7	0.33
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	7	0.33
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	7	0.33
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	8	0.33
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	7	0.33
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	7	0.33
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	7	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	7	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	7	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	11	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	11	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	12	0.33
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	12	0.33
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	6	0.33
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	6	0.33
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	3	0.33
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	3	0.33
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	3	0.33
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.33
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	8	0.33
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	8	0.33
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	11	0.33
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	11	0.33
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	1	0.33
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	1	0.33
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	1	0.33
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	1	0.33
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	1	0.33
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	9	0.33
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	9	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	1	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	1	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	12	0.33
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	12	0.33
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	6	0.33
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	6	0.33
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	8	0.33
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	11	0.33
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	15	0.33
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	3	0.33
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	5	0.33
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	3	0.33
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	4	0.33
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	10	0.33
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	13	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	3	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	3	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	10	0.33
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	10	0.33
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	11	0.33
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	11	0.33
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	15	0.33
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	15	0.33
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.33
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.33
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	7	0.33
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	7	0.33
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	7	0.33
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	8	0.33
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	7	0.33
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	7	0.33
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	7	0.33
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	7	0.33
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	7	0.33
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	11	0.33
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	12	0.33
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	12	0.33
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	6	0.33
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	6	0.33
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	3	0.33
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	3	0.33
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	3	0.33
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.33
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	8	0.33
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	8	0.33
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	11	0.33
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	11	0.33
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	1	0.33
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	1	0.33
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	1	0.33
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	1	0.33
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	1	0.33
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	1	0.33
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	9	0.33
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	9	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	1	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	1	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	12	0.33
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	12	0.33
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	6	0.33
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	6	0.33
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	8	0.33
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	11	0.33
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	15	0.33
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	3	0.33
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	5	0.33
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	3	0.33
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	4	0.33
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	10	0.33
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	13	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	3	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	3	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	10	0.33
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	10	0.33
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	11	0.33
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	15	0.33
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	15	0.33
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.33
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.33
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	7	0.33
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	7	0.33
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	7	0.33
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	8	0.33
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	7	0.33
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	7	0.33
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	7	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	7	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	7	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	11	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	11	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	12	0.33
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	12	0.33
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	6	0.33
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	6	0.33
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	3	0.33
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	3	0.33
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	3	0.33
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.33
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	8	0.33
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	8	0.33
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	11	0.33
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	11	0.33
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	1	0.33
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	1	0.33
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	1	0.33
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	1	0.33
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	1	0.33
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	1	0.33
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	9	0.33
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	9	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	1	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	1	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	12	0.33
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	12	0.33
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	6	0.33
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	6	0.33
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	11	0.33
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	15	0.33
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	3	0.33
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	5	0.33
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	3	0.33
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	4	0.33
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	10	0.33
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	13	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	3	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	3	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	10	0.33
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	10	0.33
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	11	0.33
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	11	0.33
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	15	0.33
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	15	0.33
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.33
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.33
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	7	0.33
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	7	0.33
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	7	0.33
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	8	0.33
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	7	0.33
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	7	0.33
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	7	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	7	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	7	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	11	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	11	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	12	0.33
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	12	0.33
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	6	0.33
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	6	0.33
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	3	0.33
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	3	0.33
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	3	0.33
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	11	0.33
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	8	0.33
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	8	0.33
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	11	0.33
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	11	0.33
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	1	0.33
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	1	0.33
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	1	0.33
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	1	0.33
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	1	0.33
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	9	0.33
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	9	0.33
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	1	0.33
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	1	0.33
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	12	0.33
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	12	0.33
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	6	0.33
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	6	0.33
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	8	0.33
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	11	0.33
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	15	0.33
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	3	0.33
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	5	0.33
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	3	0.33
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	4	0.33
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	10	0.33
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	13	0.33
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	3	0.33
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	3	0.33
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	10	0.33
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	10	0.33
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	11	0.33
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	11	0.33
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	15	0.33
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	15	0.33
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	11	0.33
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	11	0.33
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	7	0.33
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	7	0.33
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	7	0.33
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	8	0.33
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	7	0.33
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	7	0.33
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	7	0.33
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	7	0.33
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	7	0.33
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	11	0.33
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	12	0.33
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	12	0.33
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	6	0.33
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	6	0.33
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	15	0.32
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	15	0.32
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	15	0.32
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	15	0.32
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	15	0.32
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	15	0.32
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	15	0.32
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	15	0.32
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	15	0.32
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	12	0.32
(1,2202)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	12	0.32
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	12	0.32
(1,2202)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	12	0.32
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	12	0.32
(1,2202)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	12	0.32
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	5	0.32
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	5	0.32
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	5	0.32
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	5	0.32
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	5	0.32
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	5	0.32
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	13	0.32
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	13	0.32
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	13	0.32
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	13	0.32
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	13	0.32
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	13	0.32
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	9	0.32
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	9	0.32
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	9	0.32
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	9	0.32
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	9	0.32
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	9	0.32
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	3	0.32
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	3	0.32
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	3	0.32
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	3	0.32
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	3	0.32
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	10	0.32
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	10	0.32
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	10	0.32
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	10	0.32
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	10	0.32
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	10	0.32
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB2	12	0.32
(1,2183)	1:191:A:THR:HG21	1:299:A:LEU:HB3	12	0.32
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB2	12	0.32
(1,2183)	1:191:A:THR:HG22	1:299:A:LEU:HB3	12	0.32
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB2	12	0.32
(1,2183)	1:191:A:THR:HG23	1:299:A:LEU:HB3	12	0.32
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	15	0.32
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	15	0.32
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	15	0.32
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	15	0.32
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	15	0.32
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	15	0.32
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	15	0.32
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	15	0.32
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	15	0.32
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	12	0.32
(1,2173)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	12	0.32
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	12	0.32
(1,2173)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	12	0.32
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	12	0.32
(1,2173)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	12	0.32
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	5	0.32
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	5	0.32
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	5	0.32
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	5	0.32
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	5	0.32
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	5	0.32
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	13	0.32
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	13	0.32
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	13	0.32
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	13	0.32
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	13	0.32
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	13	0.32
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	9	0.32
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	9	0.32
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	9	0.32
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	9	0.32
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	9	0.32
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	3	0.32
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	3	0.32
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	3	0.32
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	3	0.32
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	3	0.32
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	3	0.32
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	10	0.32
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	10	0.32
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	10	0.32
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	10	0.32
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	10	0.32
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	10	0.32
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB2	12	0.32
(1,2154)	1:191:A:THR:HG21	1:299:A:LEU:HB3	12	0.32
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB2	12	0.32
(1,2154)	1:191:A:THR:HG22	1:299:A:LEU:HB3	12	0.32
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB2	12	0.32
(1,2154)	1:191:A:THR:HG23	1:299:A:LEU:HB3	12	0.32
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	15	0.32
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	15	0.32
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	15	0.32
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	15	0.32
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	15	0.32
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	15	0.32
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	15	0.32
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	15	0.32
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	15	0.32
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	12	0.32
(1,2144)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	12	0.32
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	12	0.32
(1,2144)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	12	0.32
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	12	0.32
(1,2144)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	12	0.32
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	5	0.32
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	5	0.32
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	5	0.32
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	5	0.32
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	5	0.32
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	13	0.32
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	13	0.32
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	13	0.32
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	13	0.32
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	13	0.32
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	13	0.32
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	9	0.32
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	9	0.32
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	9	0.32
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	9	0.32
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	9	0.32
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	9	0.32
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	3	0.32
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	3	0.32
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	3	0.32
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	3	0.32
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	3	0.32
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	3	0.32
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	10	0.32
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	10	0.32
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	10	0.32
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	10	0.32
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	10	0.32
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	10	0.32
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB2	12	0.32
(1,2125)	1:191:A:THR:HG21	1:299:A:LEU:HB3	12	0.32
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB2	12	0.32
(1,2125)	1:191:A:THR:HG22	1:299:A:LEU:HB3	12	0.32
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB2	12	0.32
(1,2125)	1:191:A:THR:HG23	1:299:A:LEU:HB3	12	0.32
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	15	0.32
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	15	0.32
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	15	0.32
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	15	0.32
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	15	0.32
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	15	0.32
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	15	0.32
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	15	0.32
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	15	0.32
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	12	0.32
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	12	0.32
(1,2115)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	12	0.32
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	12	0.32
(1,2115)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	12	0.32
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	5	0.32
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	5	0.32
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	5	0.32
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	5	0.32
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	5	0.32
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	5	0.32
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	13	0.32
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	13	0.32
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	13	0.32
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	13	0.32
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	13	0.32
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	13	0.32
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	9	0.32
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	9	0.32
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	9	0.32
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	9	0.32
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	9	0.32
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	9	0.32
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	3	0.32
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	3	0.32
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	3	0.32
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	3	0.32
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	3	0.32
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	3	0.32
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	10	0.32
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	10	0.32
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	10	0.32
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	10	0.32
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	10	0.32
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	10	0.32
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB2	12	0.32
(1,2096)	1:191:A:THR:HG21	1:299:A:LEU:HB3	12	0.32
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB2	12	0.32
(1,2096)	1:191:A:THR:HG22	1:299:A:LEU:HB3	12	0.32
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB2	12	0.32
(1,2096)	1:191:A:THR:HG23	1:299:A:LEU:HB3	12	0.32
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	15	0.32
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	15	0.32
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	15	0.32
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	15	0.32
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	15	0.32
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	15	0.32
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	15	0.32
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	15	0.32
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB2	12	0.32
(1,2086)	1:242:A:VAL:HG11	1:231:A:ARG:HB3	12	0.32
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB2	12	0.32
(1,2086)	1:242:A:VAL:HG12	1:231:A:ARG:HB3	12	0.32
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB2	12	0.32
(1,2086)	1:242:A:VAL:HG13	1:231:A:ARG:HB3	12	0.32
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	5	0.32
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	5	0.32
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	5	0.32
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	5	0.32
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	5	0.32
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	5	0.32
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	13	0.32
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	13	0.32
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	13	0.32
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	13	0.32
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	13	0.32
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	13	0.32
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	9	0.32
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	9	0.32
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	9	0.32
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	9	0.32
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	9	0.32
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	9	0.32
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	3	0.32
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	3	0.32
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	3	0.32
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	3	0.32
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	3	0.32
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	3	0.32
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	10	0.32
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	10	0.32
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	10	0.32
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	10	0.32
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	10	0.32
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB2	12	0.32
(1,2067)	1:191:A:THR:HG21	1:299:A:LEU:HB3	12	0.32
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB2	12	0.32
(1,2067)	1:191:A:THR:HG22	1:299:A:LEU:HB3	12	0.32
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB2	12	0.32
(1,2067)	1:191:A:THR:HG23	1:299:A:LEU:HB3	12	0.32
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	11	0.32
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	15	0.32
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	13	0.32
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	6	0.32
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	6	0.32
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	6	0.32
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	6	0.32
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	6	0.32
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	6	0.32
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	6	0.32
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	6	0.32
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	6	0.32
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.32
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.32
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	4	0.32
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	4	0.32
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	4	0.32
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	4	0.32
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	4	0.32
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	4	0.32
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	13	0.32
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	13	0.32
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	6	0.32
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	6	0.32
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	4	0.32
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	5	0.32
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	5	0.32
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.32
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	9	0.32
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	11	0.32
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	11	0.32
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	11	0.32
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	1	0.32
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	4	0.32
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	4	0.32
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	13	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	6	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	6	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	9	0.32
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	9	0.32
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	11	0.32
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	15	0.32
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	13	0.32
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	6	0.32
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	6	0.32
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	6	0.32
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	6	0.32
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	6	0.32
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	6	0.32
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	6	0.32
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	6	0.32
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	6	0.32
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.32
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.32
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	4	0.32
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	4	0.32
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	4	0.32
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	4	0.32
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	4	0.32
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	4	0.32
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	13	0.32
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	13	0.32
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	6	0.32
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	6	0.32
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	4	0.32
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	5	0.32
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	5	0.32
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.32
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	9	0.32
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	11	0.32
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	11	0.32
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	11	0.32
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	1	0.32
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	4	0.32
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	4	0.32
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	13	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	6	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	6	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	9	0.32
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	9	0.32
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	11	0.32
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	15	0.32
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	13	0.32
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	6	0.32
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	6	0.32
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	6	0.32
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	6	0.32
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	6	0.32
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	6	0.32
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	6	0.32
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	6	0.32
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	6	0.32
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.32
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.32
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	4	0.32
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	4	0.32
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	4	0.32
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	4	0.32
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	4	0.32
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	4	0.32
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	13	0.32
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	13	0.32
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	6	0.32
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	6	0.32
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	4	0.32
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	5	0.32
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	5	0.32
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.32
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	9	0.32
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	11	0.32
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	11	0.32
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	11	0.32
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	1	0.32
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	4	0.32
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	4	0.32
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	13	0.32
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	6	0.32
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	6	0.32
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	9	0.32
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	9	0.32
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	11	0.32
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	15	0.32
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	13	0.32
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	6	0.32
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	6	0.32
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	6	0.32
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	6	0.32
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	6	0.32
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	6	0.32
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	6	0.32
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	6	0.32
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	6	0.32
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.32
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.32
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	4	0.32
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	4	0.32
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	4	0.32
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	4	0.32
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	4	0.32
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	4	0.32
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	13	0.32
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	13	0.32
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	6	0.32
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	6	0.32
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	4	0.32
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	5	0.32
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	5	0.32
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.32
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	9	0.32
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	11	0.32
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	11	0.32
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	11	0.32
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	1	0.32
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	4	0.32
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	4	0.32
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	4	0.32
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	6	0.32
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	6	0.32
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	9	0.32
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	9	0.32
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	11	0.32
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	15	0.32
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	13	0.32
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	6	0.32
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	6	0.32
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	6	0.32
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	6	0.32
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	6	0.32
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	6	0.32
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	6	0.32
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	6	0.32
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	6	0.32
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	15	0.32
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	15	0.32
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	4	0.32
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	4	0.32
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	4	0.32
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	4	0.32
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	4	0.32
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	4	0.32
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	13	0.32
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	13	0.32
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	6	0.32
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	6	0.32
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	4	0.32
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	5	0.32
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	5	0.32
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	10	0.32
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	9	0.32
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	11	0.32
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	11	0.32
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	11	0.32
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	1	0.32
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	4	0.32
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	4	0.32
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	4	0.32
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	13	0.32
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	6	0.32
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	9	0.32
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	9	0.32
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	4	0.31
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	4	0.31
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	4	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	5	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	5	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	5	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	11	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	11	0.31
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	11	0.31
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	6	0.31
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	6	0.31
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	6	0.31
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	4	0.31
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	4	0.31
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	4	0.31
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	4	0.31
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	4	0.31
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	4	0.31
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	7	0.31
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	7	0.31
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	7	0.31
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	7	0.31
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	7	0.31
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	7	0.31
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	8	0.31
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	8	0.31
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	8	0.31
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	8	0.31
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	8	0.31
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	8	0.31
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	4	0.31
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	4	0.31
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	4	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	5	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	5	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	5	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	11	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	11	0.31
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	6	0.31
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	6	0.31
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	6	0.31
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	4	0.31
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	4	0.31
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	4	0.31
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	4	0.31
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	4	0.31
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	4	0.31
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	7	0.31
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	7	0.31
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	7	0.31
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	7	0.31
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	7	0.31
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	7	0.31
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	8	0.31
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	8	0.31
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	8	0.31
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	8	0.31
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	8	0.31
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	8	0.31
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	4	0.31
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	4	0.31
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	4	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	5	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	5	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	5	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	11	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	11	0.31
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	11	0.31
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	6	0.31
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	6	0.31
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	6	0.31
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	4	0.31
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	4	0.31
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	4	0.31
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	4	0.31
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	4	0.31
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	4	0.31
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	7	0.31
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	7	0.31
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	7	0.31
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	7	0.31
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	7	0.31
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	8	0.31
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	8	0.31
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	8	0.31
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	8	0.31
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	8	0.31
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	8	0.31
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	4	0.31
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	4	0.31
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	4	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	5	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	5	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	5	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	11	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	11	0.31
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	11	0.31
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	6	0.31
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	6	0.31
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	6	0.31
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	4	0.31
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	4	0.31
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	4	0.31
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	4	0.31
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	4	0.31
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	4	0.31
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	7	0.31
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	7	0.31
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	7	0.31
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	7	0.31
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	7	0.31
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	7	0.31
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	8	0.31
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	8	0.31
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	8	0.31
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	8	0.31
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	8	0.31
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	8	0.31
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	4	0.31
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	4	0.31
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	5	0.31
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	5	0.31
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	5	0.31
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	11	0.31
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	11	0.31
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	11	0.31
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	6	0.31
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	6	0.31
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	6	0.31
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	4	0.31
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	4	0.31
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	4	0.31
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	4	0.31
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	4	0.31
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	4	0.31
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	7	0.31
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	7	0.31
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	7	0.31
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	7	0.31
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	7	0.31
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	7	0.31
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	8	0.31
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	8	0.31
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	8	0.31
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	8	0.31
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	8	0.31
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	8	0.31
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	1	0.31
(1,2028)	1:306:A:LEU:HD11	1:303:A:VAL:HA	6	0.31
(1,2028)	1:306:A:LEU:HD12	1:303:A:VAL:HA	6	0.31
(1,2028)	1:306:A:LEU:HD13	1:303:A:VAL:HA	6	0.31
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	6	0.31
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	6	0.31
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	6	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	1	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	1	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	5	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	5	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	6	0.31
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	6	0.31
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	2	0.31
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	2	0.31
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	2	0.31
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	2	0.31
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	2	0.31
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	11	0.31
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	4	0.31
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	4	0.31
(1,1949)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.31
(1,1949)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.31
(1,1949)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.31
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	10	0.31
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	5	0.31
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	5	0.31
(1,1906)	1:246:A:THR:H	1:243:A:GLU:HA	13	0.31
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	8	0.31
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	7	0.31
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	4	0.31
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	10	0.31
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	4	0.31
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	4	0.31
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	6	0.31
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	1	0.31
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	1	0.31
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	1	0.31
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	2	0.31
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	2	0.31
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	2	0.31
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	10	0.31
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	1	0.31
(1,1615)	1:306:A:LEU:HD11	1:303:A:VAL:HA	6	0.31
(1,1615)	1:306:A:LEU:HD12	1:303:A:VAL:HA	6	0.31
(1,1615)	1:306:A:LEU:HD13	1:303:A:VAL:HA	6	0.31
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	6	0.31
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	6	0.31
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	6	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	1	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	1	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	5	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	5	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	6	0.31
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	6	0.31
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	2	0.31
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	2	0.31
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	2	0.31
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	2	0.31
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	2	0.31
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	11	0.31
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	4	0.31
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	4	0.31
(1,1536)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.31
(1,1536)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.31
(1,1536)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.31
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	10	0.31
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	5	0.31
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	5	0.31
(1,1493)	1:246:A:THR:H	1:243:A:GLU:HA	13	0.31
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	8	0.31
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	7	0.31
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	4	0.31
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	10	0.31
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	4	0.31
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	4	0.31
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	6	0.31
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	1	0.31
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	1	0.31
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	1	0.31
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	2	0.31
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	2	0.31
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	2	0.31
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	10	0.31
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	1	0.31
(1,1202)	1:306:A:LEU:HD11	1:303:A:VAL:HA	6	0.31
(1,1202)	1:306:A:LEU:HD12	1:303:A:VAL:HA	6	0.31
(1,1202)	1:306:A:LEU:HD13	1:303:A:VAL:HA	6	0.31
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	6	0.31
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	6	0.31
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	6	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	1	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	1	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	5	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	5	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	6	0.31
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	2	0.31
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	2	0.31
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	2	0.31
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	2	0.31
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	2	0.31
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	2	0.31
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	11	0.31
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	4	0.31
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	4	0.31
(1,1123)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.31
(1,1123)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.31
(1,1123)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.31
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	10	0.31
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	5	0.31
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	5	0.31
(1,1080)	1:246:A:THR:H	1:243:A:GLU:HA	13	0.31
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	8	0.31
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	7	0.31
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	4	0.31
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	10	0.31
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	4	0.31
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	4	0.31
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	6	0.31
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	1	0.31
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	1	0.31
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	1	0.31
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	2	0.31
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	2	0.31
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	2	0.31
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	10	0.31
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	1	0.31
(1,789)	1:306:A:LEU:HD11	1:303:A:VAL:HA	6	0.31
(1,789)	1:306:A:LEU:HD12	1:303:A:VAL:HA	6	0.31
(1,789)	1:306:A:LEU:HD13	1:303:A:VAL:HA	6	0.31
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	6	0.31
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	6	0.31
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	6	0.31
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	1	0.31
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	1	0.31
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	5	0.31
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	5	0.31
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	6	0.31
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	2	0.31
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	2	0.31
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	2	0.31
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	2	0.31
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	2	0.31
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	2	0.31
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	11	0.31
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	4	0.31
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	4	0.31
(1,710)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.31
(1,710)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.31
(1,710)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.31
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	10	0.31
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	5	0.31
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	5	0.31
(1,667)	1:246:A:THR:H	1:243:A:GLU:HA	13	0.31
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	8	0.31
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	7	0.31
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	4	0.31
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	10	0.31
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	4	0.31
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	4	0.31
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	6	0.31
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	1	0.31
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	1	0.31
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	1	0.31
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	2	0.31
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	2	0.31
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	2	0.31
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	10	0.31
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	1	0.31
(1,376)	1:306:A:LEU:HD11	1:303:A:VAL:HA	6	0.31
(1,376)	1:306:A:LEU:HD12	1:303:A:VAL:HA	6	0.31
(1,376)	1:306:A:LEU:HD13	1:303:A:VAL:HA	6	0.31
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	6	0.31
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	6	0.31
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	6	0.31
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	1	0.31
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	1	0.31
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	5	0.31
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	6	0.31
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	6	0.31
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	2	0.31
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	2	0.31
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	2	0.31
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	2	0.31
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	2	0.31
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	2	0.31
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	11	0.31
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	4	0.31
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	4	0.31
(1,297)	1:262:A:LEU:HD21	1:258:A:PHE:HA	12	0.31
(1,297)	1:262:A:LEU:HD22	1:258:A:PHE:HA	12	0.31
(1,297)	1:262:A:LEU:HD23	1:258:A:PHE:HA	12	0.31
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	10	0.31
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	5	0.31
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	5	0.31
(1,254)	1:246:A:THR:H	1:243:A:GLU:HA	13	0.31
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	8	0.31
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	7	0.31
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	4	0.31
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	10	0.31
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	4	0.31
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	4	0.31
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	6	0.31
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	1	0.31
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	1	0.31
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	1	0.31
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	2	0.31
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	2	0.31
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	2	0.31
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	10	0.31
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	13	0.3
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	13	0.3
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	13	0.3
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	8	0.3
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	8	0.3
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	8	0.3
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	8	0.3
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	8	0.3
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	8	0.3
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	8	0.3
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	8	0.3
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	1	0.3
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	1	0.3
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	1	0.3
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	1	0.3
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	1	0.3
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	1	0.3
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	1	0.3
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	1	0.3
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	1	0.3
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.3
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.3
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.3
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.3
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.3
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.3
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	13	0.3
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	13	0.3
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	13	0.3
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	8	0.3
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	8	0.3
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	8	0.3
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	8	0.3
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	8	0.3
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	8	0.3
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	8	0.3
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	8	0.3
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	8	0.3
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	1	0.3
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	1	0.3
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	1	0.3
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	1	0.3
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	1	0.3
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	1	0.3
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	1	0.3
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	1	0.3
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	1	0.3
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.3
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.3
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.3
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.3
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.3
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	13	0.3
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	13	0.3
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	13	0.3
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	8	0.3
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	8	0.3
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	8	0.3
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	8	0.3
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	8	0.3
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	8	0.3
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	8	0.3
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	8	0.3
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	8	0.3
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	1	0.3
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	1	0.3
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	1	0.3
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	1	0.3
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	1	0.3
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	1	0.3
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	1	0.3
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	1	0.3
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	1	0.3
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.3
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.3
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.3
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.3
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.3
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.3
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	13	0.3
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	13	0.3
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	13	0.3
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	8	0.3
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	8	0.3
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	8	0.3
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	8	0.3
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	8	0.3
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	8	0.3
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	8	0.3
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	8	0.3
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	8	0.3
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	1	0.3
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	1	0.3
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	1	0.3
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	1	0.3
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	1	0.3
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	1	0.3
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	1	0.3
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	1	0.3
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.3
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.3
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.3
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.3
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.3
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.3
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	13	0.3
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	13	0.3
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	13	0.3
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	8	0.3
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	8	0.3
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	8	0.3
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	8	0.3
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	8	0.3
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	8	0.3
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	8	0.3
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	8	0.3
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	8	0.3
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	1	0.3
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	1	0.3
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	1	0.3
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	1	0.3
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	1	0.3
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	1	0.3
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	1	0.3
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	1	0.3
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	1	0.3
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	14	0.3
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	14	0.3
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	14	0.3
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	14	0.3
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	14	0.3
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	14	0.3
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	3	0.3
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	3	0.3
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	3	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	3	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	3	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	3	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	3	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	3	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	3	0.3
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.3
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.3
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.3
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.3
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.3
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	3	0.3
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	3	0.3
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	3	0.3
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	3	0.3
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	3	0.3
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	3	0.3
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB2	7	0.3
(1,1985)	1:296:A:TYR:H	1:295:A:LYS:HB3	7	0.3
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.3
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	10	0.3
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	10	0.3
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	14	0.3
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	14	0.3
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	14	0.3
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	14	0.3
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	14	0.3
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	14	0.3
(1,1943)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	14	0.3
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	15	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	8	0.3
(1,1882)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	8	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	8	0.3
(1,1882)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	8	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	8	0.3
(1,1882)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	8	0.3
(1,1864)	1:240:A:ASP:H	1:239:A:TRP:HB3	2	0.3
(1,1864)	1:240:A:ASP:H	1:239:A:TRP:HB3	12	0.3
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	8	0.3
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	8	0.3
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	8	0.3
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	8	0.3
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	8	0.3
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	8	0.3
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	6	0.3
(1,1778)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	13	0.3
(1,1778)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	13	0.3
(1,1778)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	13	0.3
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	10	0.3
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	10	0.3
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	10	0.3
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	4	0.3
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG2	15	0.3
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG3	15	0.3
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	6	0.3
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	8	0.3
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	8	0.3
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	8	0.3
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	8	0.3
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	10	0.3
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	2	0.3
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	2	0.3
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	11	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	3	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	3	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	3	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	3	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	3	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	3	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	3	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	3	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	3	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.3
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.3
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.3
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.3
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	3	0.3
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	3	0.3
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	3	0.3
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	3	0.3
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	3	0.3
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	3	0.3
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB2	7	0.3
(1,1572)	1:296:A:TYR:H	1:295:A:LYS:HB3	7	0.3
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.3
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	10	0.3
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	10	0.3
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	14	0.3
(1,1530)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	14	0.3
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	14	0.3
(1,1530)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	14	0.3
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	14	0.3
(1,1530)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	14	0.3
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	14	0.3
(1,1530)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	14	0.3
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	14	0.3
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	14	0.3
(1,1530)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	14	0.3
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	13	0.3
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	15	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	8	0.3
(1,1469)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	8	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	8	0.3
(1,1469)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	8	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	8	0.3
(1,1469)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	8	0.3
(1,1451)	1:240:A:ASP:H	1:239:A:TRP:HB3	2	0.3
(1,1451)	1:240:A:ASP:H	1:239:A:TRP:HB3	12	0.3
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	8	0.3
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	8	0.3
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	8	0.3
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	8	0.3
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	8	0.3
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	8	0.3
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	6	0.3
(1,1365)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	13	0.3
(1,1365)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	13	0.3
(1,1365)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	13	0.3
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	10	0.3
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	10	0.3
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	10	0.3
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	4	0.3
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG2	15	0.3
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG3	15	0.3
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	6	0.3
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	8	0.3
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	8	0.3
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	8	0.3
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	8	0.3
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	8	0.3
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	8	0.3
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	8	0.3
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	8	0.3
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	10	0.3
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	10	0.3
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	2	0.3
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	2	0.3
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	11	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	3	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	3	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	3	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	3	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	3	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	3	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	3	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	3	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	3	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.3
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.3
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.3
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.3
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	3	0.3
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	3	0.3
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	3	0.3
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	3	0.3
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	3	0.3
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	3	0.3
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB2	7	0.3
(1,1159)	1:296:A:TYR:H	1:295:A:LYS:HB3	7	0.3
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.3
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	10	0.3
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	10	0.3
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	14	0.3
(1,1117)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	14	0.3
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	14	0.3
(1,1117)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	14	0.3
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	14	0.3
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	14	0.3
(1,1117)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	14	0.3
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	14	0.3
(1,1117)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	14	0.3
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	14	0.3
(1,1117)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	14	0.3
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	13	0.3
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	15	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	8	0.3
(1,1056)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	8	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	8	0.3
(1,1056)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	8	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	8	0.3
(1,1056)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	8	0.3
(1,1038)	1:240:A:ASP:H	1:239:A:TRP:HB3	2	0.3
(1,1038)	1:240:A:ASP:H	1:239:A:TRP:HB3	12	0.3
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	8	0.3
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	8	0.3
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	8	0.3
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	8	0.3
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	8	0.3
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	8	0.3
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	6	0.3
(1,952)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	13	0.3
(1,952)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	13	0.3
(1,952)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	13	0.3
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	10	0.3
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	10	0.3
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	10	0.3
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	4	0.3
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG2	15	0.3
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG3	15	0.3
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	6	0.3
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	8	0.3
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	8	0.3
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	8	0.3
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	10	0.3
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	10	0.3
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	2	0.3
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	2	0.3
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	11	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	3	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	3	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	3	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	3	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	3	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	3	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	3	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	3	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	3	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.3
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.3
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.3
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.3
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	3	0.3
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	3	0.3
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	3	0.3
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	3	0.3
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	3	0.3
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	3	0.3
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB2	7	0.3
(1,746)	1:296:A:TYR:H	1:295:A:LYS:HB3	7	0.3
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.3
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	10	0.3
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	10	0.3
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	14	0.3
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	14	0.3
(1,704)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	14	0.3
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	14	0.3
(1,704)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	14	0.3
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	14	0.3
(1,704)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	14	0.3
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	14	0.3
(1,704)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	14	0.3
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	14	0.3
(1,704)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	14	0.3
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	13	0.3
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	15	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	8	0.3
(1,643)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	8	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	8	0.3
(1,643)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	8	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	8	0.3
(1,643)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	8	0.3
(1,625)	1:240:A:ASP:H	1:239:A:TRP:HB3	2	0.3
(1,625)	1:240:A:ASP:H	1:239:A:TRP:HB3	12	0.3
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	8	0.3
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	8	0.3
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	8	0.3
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	8	0.3
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	8	0.3
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	8	0.3
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	6	0.3
(1,539)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	13	0.3
(1,539)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	13	0.3
(1,539)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	13	0.3
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	10	0.3
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	10	0.3
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	10	0.3
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	4	0.3
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG2	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG3	15	0.3
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	6	0.3
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	8	0.3
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	8	0.3
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	8	0.3
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	8	0.3
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	10	0.3
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	10	0.3
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	2	0.3
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	2	0.3
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	11	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	3	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	3	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	3	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	3	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	3	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	3	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	3	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	3	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	3	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	12	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	12	0.3
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	12	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	12	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	12	0.3
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	12	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	12	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	12	0.3
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	12	0.3
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	3	0.3
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	3	0.3
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	3	0.3
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	3	0.3
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	3	0.3
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	3	0.3
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB2	7	0.3
(1,333)	1:296:A:TYR:H	1:295:A:LYS:HB3	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	15	0.3
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	10	0.3
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	10	0.3
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD11	1:260:A:TYR:HE2	14	0.3
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD12	1:260:A:TYR:HE2	14	0.3
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD13	1:260:A:TYR:HE2	14	0.3
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD21	1:260:A:TYR:HE2	14	0.3
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD22	1:260:A:TYR:HE2	14	0.3
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE1	14	0.3
(1,291)	1:262:A:LEU:HD23	1:260:A:TYR:HE2	14	0.3
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	13	0.3
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	15	0.3
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	2	0.3
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	2	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	2	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	2	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	2	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	2	0.3
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD1	8	0.3
(1,230)	1:241:A:ILE:HD11	1:237:A:TYR:HD2	8	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD1	8	0.3
(1,230)	1:241:A:ILE:HD12	1:237:A:TYR:HD2	8	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD1	8	0.3
(1,230)	1:241:A:ILE:HD13	1:237:A:TYR:HD2	8	0.3
(1,212)	1:240:A:ASP:H	1:239:A:TRP:HB3	2	0.3
(1,212)	1:240:A:ASP:H	1:239:A:TRP:HB3	12	0.3
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	8	0.3
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	8	0.3
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	8	0.3
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	8	0.3
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	8	0.3
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	8	0.3
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	6	0.3
(1,126)	1:220:A:ALA:HB1	1:216:A:TRP:HZ2	13	0.3
(1,126)	1:220:A:ALA:HB2	1:216:A:TRP:HZ2	13	0.3
(1,126)	1:220:A:ALA:HB3	1:216:A:TRP:HZ2	13	0.3
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	10	0.3
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	10	0.3
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	4	0.3
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG2	15	0.3
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG3	15	0.3
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	6	0.3
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	8	0.3
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	8	0.3
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	8	0.3
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	8	0.3
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	10	0.3
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	10	0.3
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	2	0.3
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	2	0.3
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	12	0.29
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	12	0.29
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	12	0.29
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	12	0.29
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	12	0.29
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	12	0.29
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	9	0.29
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	9	0.29
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	9	0.29
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	9	0.29
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	9	0.29
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	9	0.29
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	9	0.29
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	9	0.29
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	9	0.29
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	8	0.29
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	8	0.29
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	8	0.29
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	8	0.29
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	8	0.29
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	8	0.29
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	12	0.29
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	12	0.29
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	12	0.29
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	12	0.29
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	12	0.29
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	9	0.29
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	9	0.29
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	9	0.29
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	9	0.29
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	9	0.29
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	9	0.29
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	9	0.29
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	9	0.29
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	9	0.29
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	8	0.29
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	8	0.29
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	8	0.29
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	8	0.29
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	8	0.29
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	8	0.29
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	12	0.29
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	12	0.29
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	12	0.29
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	12	0.29
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	12	0.29
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	12	0.29
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	9	0.29
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	9	0.29
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	9	0.29
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	9	0.29
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	9	0.29
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	9	0.29
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	9	0.29
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	9	0.29
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	9	0.29
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	8	0.29
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	8	0.29
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	8	0.29
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	8	0.29
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	8	0.29
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	8	0.29
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	12	0.29
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	12	0.29
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	12	0.29
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	12	0.29
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	12	0.29
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	9	0.29
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	9	0.29
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	9	0.29
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	9	0.29
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	9	0.29
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	9	0.29
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	9	0.29
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	9	0.29
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	9	0.29
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	8	0.29
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	8	0.29
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	8	0.29
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	8	0.29
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	8	0.29
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	8	0.29
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	12	0.29
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	12	0.29
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	12	0.29
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	12	0.29
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	12	0.29
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	12	0.29
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	9	0.29
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	9	0.29
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	9	0.29
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	9	0.29
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	9	0.29
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	9	0.29
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	9	0.29
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	9	0.29
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	9	0.29
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	8	0.29
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	8	0.29
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	8	0.29
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	8	0.29
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	8	0.29
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	8	0.29
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	3	0.29
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	10	0.29
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	10	0.29
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	10	0.29
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	10	0.29
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	10	0.29
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	14	0.29
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	14	0.29
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	14	0.29
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	12	0.29
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	12	0.29
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG11	1	0.29
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG12	1	0.29
(1,2009)	1:301:A:THR:HG21	1:300:A:VAL:HG13	1	0.29
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG11	1	0.29
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG12	1	0.29
(1,2009)	1:301:A:THR:HG22	1:300:A:VAL:HG13	1	0.29
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG11	1	0.29
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG12	1	0.29
(1,2009)	1:301:A:THR:HG23	1:300:A:VAL:HG13	1	0.29
(1,1967)	1:290:A:ASN:H	1:289:A:GLN:HA	2	0.29
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	11	0.29
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	11	0.29
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	10	0.29
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	14	0.29
(1,1906)	1:246:A:THR:H	1:243:A:GLU:HA	5	0.29
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	10	0.29
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	5	0.29
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	9	0.29
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	14	0.29
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	14	0.29
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	1	0.29
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	8	0.29
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	8	0.29
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	8	0.29
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	8	0.29
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	2	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	6	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	6	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	6	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	11	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	11	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	13	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	13	0.29
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	13	0.29
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	3	0.29
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	10	0.29
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	10	0.29
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	10	0.29
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	10	0.29
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	10	0.29
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	10	0.29
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	14	0.29
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	14	0.29
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	14	0.29
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	12	0.29
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	12	0.29
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG11	1	0.29
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG12	1	0.29
(1,1596)	1:301:A:THR:HG21	1:300:A:VAL:HG13	1	0.29
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG11	1	0.29
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG12	1	0.29
(1,1596)	1:301:A:THR:HG22	1:300:A:VAL:HG13	1	0.29
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG11	1	0.29
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG12	1	0.29
(1,1596)	1:301:A:THR:HG23	1:300:A:VAL:HG13	1	0.29
(1,1554)	1:290:A:ASN:H	1:289:A:GLN:HA	2	0.29
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	11	0.29
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	11	0.29
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	10	0.29
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	14	0.29
(1,1493)	1:246:A:THR:H	1:243:A:GLU:HA	5	0.29
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	10	0.29
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	5	0.29
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	9	0.29
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	14	0.29
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	14	0.29
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	1	0.29
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	8	0.29
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	8	0.29
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	8	0.29
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	8	0.29
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	2	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	6	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	6	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	11	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	11	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	11	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	13	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	13	0.29
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	13	0.29
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	3	0.29
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	10	0.29
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	10	0.29
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	10	0.29
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	10	0.29
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	10	0.29
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	10	0.29
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	14	0.29
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	14	0.29
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	14	0.29
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	12	0.29
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	12	0.29
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG11	1	0.29
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG12	1	0.29
(1,1183)	1:301:A:THR:HG21	1:300:A:VAL:HG13	1	0.29
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG11	1	0.29
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG12	1	0.29
(1,1183)	1:301:A:THR:HG22	1:300:A:VAL:HG13	1	0.29
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG11	1	0.29
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG12	1	0.29
(1,1183)	1:301:A:THR:HG23	1:300:A:VAL:HG13	1	0.29
(1,1141)	1:290:A:ASN:H	1:289:A:GLN:HA	2	0.29
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	11	0.29
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	11	0.29
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	10	0.29
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	14	0.29
(1,1080)	1:246:A:THR:H	1:243:A:GLU:HA	5	0.29
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	10	0.29
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	5	0.29
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	9	0.29
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	14	0.29
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	14	0.29
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	1	0.29
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	8	0.29
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	8	0.29
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	8	0.29
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	2	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	6	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	6	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	6	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	11	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	11	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	11	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	13	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	13	0.29
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	13	0.29
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	3	0.29
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	10	0.29
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	10	0.29
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	10	0.29
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	10	0.29
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	10	0.29
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	10	0.29
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	14	0.29
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	14	0.29
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	14	0.29
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	12	0.29
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	12	0.29
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG11	1	0.29
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG12	1	0.29
(1,770)	1:301:A:THR:HG21	1:300:A:VAL:HG13	1	0.29
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG11	1	0.29
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG12	1	0.29
(1,770)	1:301:A:THR:HG22	1:300:A:VAL:HG13	1	0.29
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG11	1	0.29
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG12	1	0.29
(1,770)	1:301:A:THR:HG23	1:300:A:VAL:HG13	1	0.29
(1,728)	1:290:A:ASN:H	1:289:A:GLN:HA	2	0.29
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	11	0.29
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	11	0.29
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	10	0.29
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	14	0.29
(1,667)	1:246:A:THR:H	1:243:A:GLU:HA	5	0.29
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	10	0.29
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	9	0.29
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	14	0.29
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	14	0.29
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	1	0.29
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	8	0.29
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	8	0.29
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	8	0.29
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	8	0.29
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	2	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	6	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	6	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	6	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	11	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	11	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	11	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	13	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	13	0.29
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	13	0.29
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	3	0.29
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	10	0.29
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	10	0.29
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	10	0.29
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	10	0.29
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	10	0.29
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	10	0.29
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	14	0.29
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	14	0.29
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	14	0.29
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	12	0.29
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	12	0.29
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG11	1	0.29
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG12	1	0.29
(1,357)	1:301:A:THR:HG21	1:300:A:VAL:HG13	1	0.29
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG11	1	0.29
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG12	1	0.29
(1,357)	1:301:A:THR:HG22	1:300:A:VAL:HG13	1	0.29
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG11	1	0.29
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG12	1	0.29
(1,357)	1:301:A:THR:HG23	1:300:A:VAL:HG13	1	0.29
(1,315)	1:290:A:ASN:H	1:289:A:GLN:HA	2	0.29
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	11	0.29
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	10	0.29
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	14	0.29
(1,254)	1:246:A:THR:H	1:243:A:GLU:HA	5	0.29
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	10	0.29
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	5	0.29
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	9	0.29
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	14	0.29
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	14	0.29
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	1	0.29
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	8	0.29
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	8	0.29
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	8	0.29
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	8	0.29
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	2	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	6	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	6	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	6	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	11	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	11	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	11	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	13	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	13	0.29
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	13	0.29
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	11	0.28
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	11	0.28
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	11	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	6	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	6	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	6	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	6	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	6	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	6	0.28
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	6	0.28
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	6	0.28
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	6	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD11	11	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD12	11	0.28
(1,2207)	1:264:A:THR:HG21	1:293:A:ILE:HD13	11	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD11	11	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD12	11	0.28
(1,2207)	1:264:A:THR:HG22	1:293:A:ILE:HD13	11	0.28
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD11	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD12	11	0.28
(1,2207)	1:264:A:THR:HG23	1:293:A:ILE:HD13	11	0.28
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.28
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.28
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.28
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.28
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.28
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.28
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	3	0.28
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	3	0.28
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	3	0.28
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	3	0.28
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	3	0.28
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	3	0.28
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	14	0.28
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	14	0.28
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	14	0.28
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	14	0.28
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	14	0.28
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	14	0.28
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	4	0.28
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	4	0.28
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	4	0.28
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	4	0.28
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	4	0.28
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	4	0.28
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	11	0.28
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	11	0.28
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	11	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	6	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	6	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	6	0.28
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	6	0.28
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	6	0.28
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	6	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	6	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	6	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	6	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD11	11	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD12	11	0.28
(1,2178)	1:264:A:THR:HG21	1:293:A:ILE:HD13	11	0.28
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD11	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD12	11	0.28
(1,2178)	1:264:A:THR:HG22	1:293:A:ILE:HD13	11	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD11	11	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD12	11	0.28
(1,2178)	1:264:A:THR:HG23	1:293:A:ILE:HD13	11	0.28
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.28
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.28
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.28
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.28
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.28
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.28
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	3	0.28
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	3	0.28
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	3	0.28
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	3	0.28
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	3	0.28
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	3	0.28
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	14	0.28
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	14	0.28
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	14	0.28
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	14	0.28
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	14	0.28
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	14	0.28
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	4	0.28
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	4	0.28
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	4	0.28
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	4	0.28
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	4	0.28
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	4	0.28
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	11	0.28
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	11	0.28
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	11	0.28
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	6	0.28
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	6	0.28
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	6	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	6	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	6	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	6	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	6	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	6	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	6	0.28
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD11	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD12	11	0.28
(1,2149)	1:264:A:THR:HG21	1:293:A:ILE:HD13	11	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD11	11	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD12	11	0.28
(1,2149)	1:264:A:THR:HG22	1:293:A:ILE:HD13	11	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD11	11	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD12	11	0.28
(1,2149)	1:264:A:THR:HG23	1:293:A:ILE:HD13	11	0.28
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.28
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.28
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.28
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.28
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.28
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.28
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	3	0.28
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	3	0.28
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	3	0.28
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	3	0.28
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	3	0.28
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	3	0.28
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	14	0.28
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	14	0.28
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	14	0.28
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	14	0.28
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	14	0.28
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	14	0.28
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	4	0.28
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	4	0.28
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	4	0.28
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	4	0.28
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	4	0.28
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	4	0.28
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	11	0.28
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	11	0.28
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	11	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	6	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	6	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	6	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	6	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	6	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	6	0.28
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	6	0.28
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	6	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD11	11	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD12	11	0.28
(1,2120)	1:264:A:THR:HG21	1:293:A:ILE:HD13	11	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD11	11	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD12	11	0.28
(1,2120)	1:264:A:THR:HG22	1:293:A:ILE:HD13	11	0.28
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD11	11	0.28
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD12	11	0.28
(1,2120)	1:264:A:THR:HG23	1:293:A:ILE:HD13	11	0.28
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.28
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.28
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.28
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.28
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.28
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.28
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	3	0.28
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	3	0.28
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	3	0.28
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	3	0.28
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	3	0.28
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	3	0.28
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	14	0.28
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	14	0.28
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	14	0.28
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	14	0.28
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	14	0.28
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	14	0.28
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	4	0.28
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	4	0.28
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	4	0.28
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	4	0.28
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	4	0.28
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	4	0.28
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	11	0.28
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	11	0.28
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	11	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	6	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	6	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	6	0.28
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	6	0.28
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	6	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	6	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	6	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	6	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD11	11	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD12	11	0.28
(1,2091)	1:264:A:THR:HG21	1:293:A:ILE:HD13	11	0.28
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD11	11	0.28
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD12	11	0.28
(1,2091)	1:264:A:THR:HG22	1:293:A:ILE:HD13	11	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD11	11	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD12	11	0.28
(1,2091)	1:264:A:THR:HG23	1:293:A:ILE:HD13	11	0.28
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	13	0.28
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	13	0.28
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	13	0.28
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	13	0.28
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	13	0.28
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	13	0.28
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	3	0.28
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	3	0.28
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	3	0.28
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	3	0.28
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	3	0.28
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	3	0.28
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	14	0.28
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	14	0.28
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	14	0.28
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	14	0.28
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	14	0.28
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	14	0.28
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	4	0.28
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	4	0.28
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	4	0.28
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	4	0.28
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	4	0.28
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	4	0.28
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	3	0.28
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	5	0.28
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.28
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	8	0.28
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	8	0.28
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	8	0.28
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	8	0.28
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	8	0.28
(1,2050)	1:313:A:LEU:H	1:311:A:LYS:H	13	0.28
(1,2048)	1:312:A:ARG:H	1:311:A:LYS:HG2	6	0.28
(1,2048)	1:312:A:ARG:H	1:311:A:LYS:HG3	6	0.28
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	13	0.28
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	13	0.28
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	13	0.28
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	13	0.28
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	9	0.28
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	9	0.28
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	9	0.28
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	8	0.28
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	8	0.28
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	8	0.28
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	8	0.28
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	8	0.28
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	8	0.28
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	8	0.28
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	8	0.28
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	8	0.28
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	8	0.28
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	8	0.28
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	8	0.28
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	6	0.28
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	6	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	4	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	4	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	4	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	13	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	13	0.28
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	13	0.28
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	1	0.28
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	6	0.28
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	15	0.28
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	15	0.28
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	15	0.28
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	15	0.28
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	15	0.28
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	7	0.28
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	7	0.28
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	2	0.28
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	2	0.28
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	5	0.28
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	14	0.28
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	14	0.28
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	14	0.28
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	14	0.28
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	14	0.28
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	14	0.28
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	14	0.28
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	6	0.28
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	6	0.28
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	6	0.28
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	13	0.28
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	13	0.28
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	13	0.28
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	2	0.28
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	2	0.28
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	2	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	1	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	1	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	5	0.28
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	5	0.28
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	10	0.28
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	3	0.28
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	5	0.28
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.28
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	8	0.28
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	8	0.28
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	8	0.28
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	8	0.28
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	8	0.28
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	8	0.28
(1,1637)	1:313:A:LEU:H	1:311:A:LYS:H	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:312:A:ARG:H	1:311:A:LYS:HG2	6	0.28
(1,1635)	1:312:A:ARG:H	1:311:A:LYS:HG3	6	0.28
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	13	0.28
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	13	0.28
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	13	0.28
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	13	0.28
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	9	0.28
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	9	0.28
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	9	0.28
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	8	0.28
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	8	0.28
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	8	0.28
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	8	0.28
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	8	0.28
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	8	0.28
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	8	0.28
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	8	0.28
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	8	0.28
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	8	0.28
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	8	0.28
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	8	0.28
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	6	0.28
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	6	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	4	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	4	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	4	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	13	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	13	0.28
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	13	0.28
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	1	0.28
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	6	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	15	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	15	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	15	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	15	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	15	0.28
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	15	0.28
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	7	0.28
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	7	0.28
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	2	0.28
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	2	0.28
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	14	0.28
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	14	0.28
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	14	0.28
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	14	0.28
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	14	0.28
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	14	0.28
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	14	0.28
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	6	0.28
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	6	0.28
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	6	0.28
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	13	0.28
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	13	0.28
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	13	0.28
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	2	0.28
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	2	0.28
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	2	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	1	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	1	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	5	0.28
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	5	0.28
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	10	0.28
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	3	0.28
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	5	0.28
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.28
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	8	0.28
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	8	0.28
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	8	0.28
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	8	0.28
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	8	0.28
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	8	0.28
(1,1224)	1:313:A:LEU:H	1:311:A:LYS:H	13	0.28
(1,1222)	1:312:A:ARG:H	1:311:A:LYS:HG2	6	0.28
(1,1222)	1:312:A:ARG:H	1:311:A:LYS:HG3	6	0.28
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	13	0.28
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	13	0.28
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	13	0.28
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	9	0.28
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	9	0.28
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	9	0.28
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	8	0.28
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	8	0.28
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	8	0.28
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	8	0.28
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	8	0.28
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	8	0.28
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	8	0.28
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	8	0.28
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	8	0.28
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	8	0.28
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	8	0.28
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	8	0.28
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	6	0.28
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	6	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	4	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	4	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	4	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	13	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	13	0.28
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	13	0.28
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	1	0.28
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	6	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	15	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	15	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	15	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	15	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	15	0.28
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	15	0.28
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	7	0.28
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	7	0.28
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	2	0.28
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	2	0.28
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	5	0.28
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	14	0.28
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	14	0.28
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	14	0.28
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	14	0.28
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	14	0.28
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	14	0.28
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	6	0.28
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	6	0.28
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	6	0.28
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	13	0.28
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	13	0.28
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	13	0.28
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	2	0.28
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	2	0.28
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	2	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	1	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	1	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	5	0.28
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	5	0.28
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	10	0.28
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	3	0.28
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	5	0.28
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.28
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	8	0.28
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	8	0.28
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	8	0.28
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	8	0.28
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	8	0.28
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	8	0.28
(1,811)	1:313:A:LEU:H	1:311:A:LYS:H	13	0.28
(1,809)	1:312:A:ARG:H	1:311:A:LYS:HG2	6	0.28
(1,809)	1:312:A:ARG:H	1:311:A:LYS:HG3	6	0.28
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	13	0.28
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	13	0.28
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	13	0.28
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	13	0.28
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	9	0.28
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	9	0.28
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	9	0.28
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	8	0.28
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	8	0.28
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	8	0.28
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	8	0.28
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	8	0.28
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	8	0.28
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	8	0.28
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	8	0.28
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	8	0.28
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	8	0.28
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	8	0.28
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	6	0.28
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	6	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	4	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	4	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	4	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	13	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	13	0.28
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	13	0.28
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	1	0.28
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	6	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	15	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	15	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	15	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	15	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	15	0.28
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	15	0.28
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	7	0.28
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	7	0.28
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	2	0.28
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	2	0.28
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	5	0.28
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	14	0.28
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	14	0.28
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	14	0.28
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	14	0.28
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	14	0.28
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	14	0.28
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	6	0.28
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	6	0.28
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	6	0.28
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	13	0.28
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	13	0.28
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	13	0.28
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	2	0.28
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	2	0.28
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	2	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	1	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	1	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	5	0.28
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	5	0.28
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	10	0.28
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	3	0.28
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	5	0.28
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	15	0.28
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	8	0.28
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	8	0.28
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	8	0.28
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	8	0.28
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	8	0.28
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	8	0.28
(1,398)	1:313:A:LEU:H	1:311:A:LYS:H	13	0.28
(1,396)	1:312:A:ARG:H	1:311:A:LYS:HG2	6	0.28
(1,396)	1:312:A:ARG:H	1:311:A:LYS:HG3	6	0.28
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	13	0.28
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	13	0.28
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	13	0.28
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	13	0.28
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	9	0.28
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	9	0.28
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	9	0.28
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	8	0.28
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	8	0.28
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	8	0.28
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	8	0.28
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	8	0.28
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	8	0.28
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	8	0.28
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	8	0.28
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	8	0.28
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	8	0.28
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	8	0.28
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	6	0.28
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	6	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	4	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	4	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	4	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	13	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	13	0.28
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	13	0.28
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	1	0.28
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	6	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	15	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	15	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	15	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	15	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	15	0.28
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	15	0.28
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	7	0.28
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	7	0.28
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	2	0.28
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	2	0.28
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	5	0.28
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	14	0.28
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	14	0.28
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	14	0.28
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	14	0.28
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	14	0.28
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	14	0.28
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	14	0.28
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	6	0.28
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	6	0.28
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	6	0.28
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	13	0.28
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	13	0.28
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	2	0.28
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	2	0.28
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	2	0.28
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	1	0.28
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	1	0.28
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	5	0.28
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	5	0.28
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	10	0.28
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.27
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.27
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.27
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	14	0.27
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	14	0.27
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	14	0.27
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	14	0.27
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	14	0.27
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	14	0.27
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	14	0.27
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	14	0.27
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	14	0.27
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	1	0.27
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	1	0.27
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	1	0.27
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	1	0.27
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	1	0.27
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	1	0.27
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	12	0.27
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	12	0.27
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	12	0.27
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	12	0.27
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	12	0.27
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	12	0.27
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	11	0.27
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	11	0.27
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	11	0.27
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	10	0.27
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	10	0.27
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	10	0.27
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	10	0.27
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	10	0.27
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	10	0.27
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.27
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.27
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	14	0.27
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	14	0.27
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	14	0.27
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	14	0.27
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	14	0.27
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	14	0.27
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	14	0.27
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	14	0.27
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	14	0.27
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	1	0.27
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	1	0.27
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	1	0.27
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	1	0.27
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	1	0.27
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	1	0.27
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	12	0.27
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	12	0.27
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	12	0.27
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	12	0.27
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	12	0.27
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	12	0.27
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	11	0.27
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	11	0.27
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	11	0.27
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	10	0.27
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	10	0.27
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	10	0.27
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	10	0.27
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	10	0.27
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	10	0.27
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.27
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.27
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.27
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	14	0.27
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	14	0.27
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	14	0.27
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	14	0.27
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	14	0.27
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	14	0.27
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	14	0.27
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	14	0.27
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	1	0.27
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	1	0.27
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	1	0.27
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	1	0.27
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	1	0.27
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	1	0.27
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	12	0.27
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	12	0.27
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	12	0.27
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	12	0.27
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	12	0.27
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	12	0.27
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	11	0.27
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	11	0.27
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	11	0.27
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	10	0.27
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	10	0.27
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	10	0.27
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	10	0.27
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	10	0.27
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	10	0.27
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.27
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.27
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.27
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	14	0.27
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	14	0.27
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	14	0.27
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	14	0.27
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	14	0.27
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	14	0.27
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	14	0.27
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	14	0.27
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	14	0.27
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	1	0.27
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	1	0.27
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	1	0.27
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	1	0.27
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	1	0.27
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	1	0.27
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	12	0.27
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	12	0.27
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	12	0.27
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	12	0.27
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	12	0.27
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	11	0.27
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	11	0.27
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	11	0.27
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	10	0.27
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	10	0.27
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	10	0.27
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	10	0.27
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	10	0.27
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	10	0.27
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	15	0.27
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	15	0.27
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	15	0.27
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	14	0.27
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	14	0.27
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	14	0.27
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	14	0.27
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	14	0.27
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	14	0.27
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	14	0.27
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	14	0.27
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	14	0.27
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	1	0.27
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	1	0.27
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	1	0.27
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	1	0.27
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	1	0.27
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	1	0.27
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	12	0.27
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	12	0.27
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	12	0.27
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	12	0.27
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	12	0.27
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	12	0.27
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	11	0.27
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	11	0.27
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	11	0.27
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	10	0.27
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	10	0.27
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	10	0.27
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	10	0.27
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	10	0.27
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	9	0.27
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	13	0.27
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	1	0.27
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	11	0.27
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	11	0.27
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	11	0.27
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	11	0.27
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	11	0.27
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	11	0.27
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	6	0.27
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	6	0.27
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	6	0.27
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	6	0.27
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	6	0.27
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	6	0.27
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	12	0.27
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	12	0.27
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	12	0.27
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	12	0.27
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	12	0.27
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	12	0.27
(1,1995)	1:299:A:LEU:HD21	1:300:A:VAL:H	9	0.27
(1,1995)	1:299:A:LEU:HD22	1:300:A:VAL:H	9	0.27
(1,1995)	1:299:A:LEU:HD23	1:300:A:VAL:H	9	0.27
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	6	0.27
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	3	0.27
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	3	0.27
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	3	0.27
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	15	0.27
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	15	0.27
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	2	0.27
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	2	0.27
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	3	0.27
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	12	0.27
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	3	0.27
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	6	0.27
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	6	0.27
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	8	0.27
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	12	0.27
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	7	0.27
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	7	0.27
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	5	0.27
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	5	0.27
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	12	0.27
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	12	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	5	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	5	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	5	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	10	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	10	0.27
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	10	0.27
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	10	0.27
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	10	0.27
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	10	0.27
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	7	0.27
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	7	0.27
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	3	0.27
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	3	0.27
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	9	0.27
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	13	0.27
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	1	0.27
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	11	0.27
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	11	0.27
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	11	0.27
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	11	0.27
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	11	0.27
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	11	0.27
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	6	0.27
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	6	0.27
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	6	0.27
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	6	0.27
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	6	0.27
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	6	0.27
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	12	0.27
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	12	0.27
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	12	0.27
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	12	0.27
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	12	0.27
(1,1582)	1:299:A:LEU:HD21	1:300:A:VAL:H	9	0.27
(1,1582)	1:299:A:LEU:HD22	1:300:A:VAL:H	9	0.27
(1,1582)	1:299:A:LEU:HD23	1:300:A:VAL:H	9	0.27
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	6	0.27
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	3	0.27
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	3	0.27
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	3	0.27
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	15	0.27
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	15	0.27
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	2	0.27
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	2	0.27
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	3	0.27
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	12	0.27
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	3	0.27
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	6	0.27
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	9	0.27
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	6	0.27
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	8	0.27
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	12	0.27
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	7	0.27
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	7	0.27
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	5	0.27
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	5	0.27
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	12	0.27
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	12	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	5	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	5	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	5	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	10	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	10	0.27
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	10	0.27
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	10	0.27
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	10	0.27
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	10	0.27
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	7	0.27
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	7	0.27
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	3	0.27
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	3	0.27
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	9	0.27
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	13	0.27
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	11	0.27
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	11	0.27
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	11	0.27
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	11	0.27
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	11	0.27
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	11	0.27
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	6	0.27
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	6	0.27
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	6	0.27
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	6	0.27
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	6	0.27
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	6	0.27
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	12	0.27
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	12	0.27
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	12	0.27
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	12	0.27
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	12	0.27
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	12	0.27
(1,1169)	1:299:A:LEU:HD21	1:300:A:VAL:H	9	0.27
(1,1169)	1:299:A:LEU:HD22	1:300:A:VAL:H	9	0.27
(1,1169)	1:299:A:LEU:HD23	1:300:A:VAL:H	9	0.27
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	6	0.27
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	3	0.27
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	3	0.27
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	3	0.27
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	15	0.27
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	15	0.27
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	2	0.27
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	2	0.27
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	3	0.27
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	12	0.27
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	3	0.27
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	6	0.27
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	9	0.27
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	6	0.27
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	8	0.27
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	12	0.27
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	7	0.27
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	7	0.27
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	5	0.27
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	5	0.27
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	12	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	5	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	5	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	5	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	10	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	10	0.27
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	10	0.27
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	10	0.27
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	10	0.27
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	10	0.27
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	7	0.27
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	7	0.27
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	3	0.27
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	3	0.27
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	9	0.27
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	13	0.27
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	1	0.27
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	11	0.27
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	11	0.27
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	11	0.27
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	11	0.27
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	11	0.27
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	11	0.27
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	6	0.27
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	6	0.27
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	6	0.27
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	6	0.27
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	6	0.27
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	6	0.27
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	12	0.27
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	12	0.27
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	12	0.27
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	12	0.27
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	12	0.27
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	12	0.27
(1,756)	1:299:A:LEU:HD21	1:300:A:VAL:H	9	0.27
(1,756)	1:299:A:LEU:HD22	1:300:A:VAL:H	9	0.27
(1,756)	1:299:A:LEU:HD23	1:300:A:VAL:H	9	0.27
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	6	0.27
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	3	0.27
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	3	0.27
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	15	0.27
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	15	0.27
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	2	0.27
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	2	0.27
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	3	0.27
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	12	0.27
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	3	0.27
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	6	0.27
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	9	0.27
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	6	0.27
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	8	0.27
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	12	0.27
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	7	0.27
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	7	0.27
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	5	0.27
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	5	0.27
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	12	0.27
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	12	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	5	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	5	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	5	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	10	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	10	0.27
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	10	0.27
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	10	0.27
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	10	0.27
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	10	0.27
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	7	0.27
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	7	0.27
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	3	0.27
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	3	0.27
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	9	0.27
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	13	0.27
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	1	0.27
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	11	0.27
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	11	0.27
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	11	0.27
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	11	0.27
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	11	0.27
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	11	0.27
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	6	0.27
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	6	0.27
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	6	0.27
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	6	0.27
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	6	0.27
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	12	0.27
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	12	0.27
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	12	0.27
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	12	0.27
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	12	0.27
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	12	0.27
(1,343)	1:299:A:LEU:HD21	1:300:A:VAL:H	9	0.27
(1,343)	1:299:A:LEU:HD22	1:300:A:VAL:H	9	0.27
(1,343)	1:299:A:LEU:HD23	1:300:A:VAL:H	9	0.27
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	6	0.27
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	3	0.27
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	3	0.27
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	3	0.27
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	15	0.27
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	15	0.27
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	2	0.27
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	2	0.27
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	3	0.27
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	12	0.27
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	3	0.27
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	6	0.27
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	9	0.27
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	6	0.27
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	8	0.27
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	12	0.27
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	7	0.27
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	7	0.27
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	5	0.27
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	5	0.27
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	12	0.27
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	12	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	5	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	5	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	5	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	10	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	10	0.27
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	10	0.27
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	10	0.27
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	10	0.27
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	7	0.27
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	7	0.27
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	3	0.27
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	3	0.27
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	9	0.26
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	9	0.26
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	9	0.26
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	15	0.26
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	15	0.26
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	15	0.26
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	15	0.26
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	15	0.26
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	15	0.26
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	15	0.26
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	15	0.26
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	15	0.26
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	12	0.26
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	12	0.26
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	12	0.26
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	5	0.26
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	5	0.26
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	5	0.26
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	1	0.26
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	1	0.26
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	1	0.26
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	1	0.26
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	1	0.26
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	1	0.26
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	3	0.26
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	3	0.26
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	3	0.26
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	3	0.26
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	3	0.26
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	3	0.26
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	9	0.26
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	9	0.26
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	9	0.26
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	15	0.26
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	15	0.26
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	15	0.26
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	15	0.26
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	15	0.26
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	15	0.26
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	15	0.26
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	15	0.26
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	12	0.26
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	12	0.26
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	12	0.26
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	5	0.26
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	5	0.26
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	5	0.26
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	1	0.26
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	1	0.26
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	1	0.26
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	1	0.26
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	1	0.26
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	1	0.26
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	3	0.26
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	3	0.26
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	3	0.26
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	3	0.26
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	3	0.26
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	3	0.26
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	9	0.26
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	9	0.26
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	9	0.26
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	15	0.26
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	15	0.26
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	15	0.26
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	15	0.26
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	15	0.26
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	15	0.26
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	15	0.26
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	15	0.26
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	15	0.26
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	12	0.26
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	12	0.26
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	12	0.26
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	5	0.26
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	5	0.26
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	1	0.26
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	1	0.26
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	1	0.26
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	1	0.26
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	1	0.26
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	1	0.26
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	3	0.26
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	3	0.26
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	3	0.26
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	3	0.26
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	3	0.26
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	3	0.26
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	9	0.26
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	9	0.26
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	9	0.26
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	15	0.26
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	15	0.26
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	15	0.26
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	15	0.26
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	15	0.26
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	15	0.26
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	15	0.26
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	15	0.26
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	15	0.26
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	12	0.26
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	12	0.26
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	12	0.26
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	5	0.26
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	5	0.26
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	5	0.26
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	1	0.26
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	1	0.26
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	1	0.26
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	1	0.26
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	1	0.26
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	1	0.26
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	3	0.26
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	3	0.26
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	3	0.26
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	3	0.26
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	3	0.26
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	9	0.26
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	9	0.26
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	9	0.26
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	15	0.26
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	15	0.26
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	15	0.26
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	15	0.26
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	15	0.26
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	15	0.26
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	15	0.26
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	15	0.26
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	15	0.26
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	12	0.26
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	12	0.26
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	12	0.26
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	5	0.26
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	5	0.26
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	5	0.26
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	1	0.26
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	1	0.26
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	1	0.26
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	1	0.26
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	1	0.26
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	1	0.26
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	3	0.26
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	3	0.26
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	3	0.26
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	3	0.26
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	3	0.26
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	3	0.26
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	7	0.26
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	12	0.26
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	11	0.26
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	11	0.26
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	5	0.26
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	5	0.26
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	5	0.26
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	11	0.26
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	11	0.26
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	11	0.26
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	11	0.26
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	11	0.26
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.26
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.26
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.26
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.26
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.26
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.26
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	5	0.26
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	5	0.26
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG21	7	0.26
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG22	7	0.26
(1,1930)	1:258:A:PHE:H	1:257:A:THR:HG23	7	0.26
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.26
(1,1869)	1:240:A:ASP:H	1:240:A:ASP:HA	11	0.26
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	11	0.26
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	15	0.26
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	15	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	4	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	4	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	4	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	4	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	4	0.26
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	4	0.26
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	3	0.26
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	3	0.26
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	7	0.26
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	7	0.26
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	6	0.26
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	6	0.26
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	6	0.26
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	6	0.26
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	6	0.26
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	11	0.26
(1,1811)	1:226:A:THR:H	1:225:A:GLN:HG2	14	0.26
(1,1811)	1:226:A:THR:H	1:225:A:GLN:HG3	14	0.26
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	1	0.26
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	1	0.26
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	1	0.26
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	1	0.26
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	1	0.26
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	1	0.26
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	1	0.26
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	1	0.26
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	1	0.26
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	1	0.26
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	1	0.26
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	11	0.26
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	11	0.26
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	10	0.26
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	10	0.26
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	10	0.26
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	6	0.26
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	6	0.26
(1,1656)	1:179:A:GLU:H	1:178:A:ARG:H	1	0.26
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	7	0.26
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	12	0.26
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	11	0.26
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	11	0.26
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	5	0.26
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	5	0.26
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	5	0.26
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	11	0.26
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	11	0.26
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	11	0.26
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	11	0.26
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	11	0.26
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	11	0.26
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.26
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.26
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.26
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.26
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.26
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.26
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	5	0.26
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	5	0.26
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG21	7	0.26
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG22	7	0.26
(1,1517)	1:258:A:PHE:H	1:257:A:THR:HG23	7	0.26
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.26
(1,1456)	1:240:A:ASP:H	1:240:A:ASP:HA	11	0.26
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	11	0.26
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	15	0.26
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	4	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	4	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	4	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	4	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	4	0.26
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	4	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	3	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	3	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	7	0.26
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	7	0.26
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	6	0.26
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	6	0.26
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	6	0.26
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	6	0.26
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	6	0.26
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	11	0.26
(1,1398)	1:226:A:THR:H	1:225:A:GLN:HG2	14	0.26
(1,1398)	1:226:A:THR:H	1:225:A:GLN:HG3	14	0.26
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	1	0.26
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	1	0.26
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	1	0.26
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	1	0.26
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	1	0.26
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	1	0.26
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	1	0.26
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	11	0.26
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	11	0.26
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	10	0.26
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	10	0.26
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	10	0.26
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	6	0.26
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	6	0.26
(1,1243)	1:179:A:GLU:H	1:178:A:ARG:H	1	0.26
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	7	0.26
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	12	0.26
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	11	0.26
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	5	0.26
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	5	0.26
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	5	0.26
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	11	0.26
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	11	0.26
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	11	0.26
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	11	0.26
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	11	0.26
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	11	0.26
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.26
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.26
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.26
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.26
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.26
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.26
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	5	0.26
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	5	0.26
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG21	7	0.26
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG22	7	0.26
(1,1104)	1:258:A:PHE:H	1:257:A:THR:HG23	7	0.26
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.26
(1,1043)	1:240:A:ASP:H	1:240:A:ASP:HA	11	0.26
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	11	0.26
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	15	0.26
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	15	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	4	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	4	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	4	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	4	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	4	0.26
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	4	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	3	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	3	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	7	0.26
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	7	0.26
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	6	0.26
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	6	0.26
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	6	0.26
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	6	0.26
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	6	0.26
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	11	0.26
(1,985)	1:226:A:THR:H	1:225:A:GLN:HG2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:226:A:THR:H	1:225:A:GLN:HG3	14	0.26
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	1	0.26
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	1	0.26
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	1	0.26
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	1	0.26
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	1	0.26
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	1	0.26
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	1	0.26
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	11	0.26
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	11	0.26
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	10	0.26
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	10	0.26
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	10	0.26
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	6	0.26
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	6	0.26
(1,830)	1:179:A:GLU:H	1:178:A:ARG:H	1	0.26
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	7	0.26
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	12	0.26
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	11	0.26
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	11	0.26
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	5	0.26
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	5	0.26
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	5	0.26
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	11	0.26
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	11	0.26
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	11	0.26
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	11	0.26
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	11	0.26
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	11	0.26
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.26
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.26
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.26
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.26
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.26
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.26
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	5	0.26
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG21	7	0.26
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG22	7	0.26
(1,691)	1:258:A:PHE:H	1:257:A:THR:HG23	7	0.26
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.26
(1,630)	1:240:A:ASP:H	1:240:A:ASP:HA	11	0.26
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	11	0.26
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	15	0.26
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	15	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	4	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	4	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	4	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	4	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	4	0.26
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	4	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	3	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	3	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	7	0.26
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	7	0.26
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	6	0.26
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	6	0.26
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	6	0.26
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	6	0.26
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	6	0.26
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	11	0.26
(1,572)	1:226:A:THR:H	1:225:A:GLN:HG2	14	0.26
(1,572)	1:226:A:THR:H	1:225:A:GLN:HG3	14	0.26
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	1	0.26
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	1	0.26
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	1	0.26
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	1	0.26
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	1	0.26
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	1	0.26
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	1	0.26
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	11	0.26
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	11	0.26
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	10	0.26
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	10	0.26
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	6	0.26
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	6	0.26
(1,417)	1:179:A:GLU:H	1:178:A:ARG:H	1	0.26
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	7	0.26
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	12	0.26
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	11	0.26
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	11	0.26
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	5	0.26
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	5	0.26
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	5	0.26
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	11	0.26
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	11	0.26
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	11	0.26
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	11	0.26
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	11	0.26
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	11	0.26
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	15	0.26
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	15	0.26
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	15	0.26
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	15	0.26
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	15	0.26
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	15	0.26
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	5	0.26
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	5	0.26
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG21	7	0.26
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG22	7	0.26
(1,278)	1:258:A:PHE:H	1:257:A:THR:HG23	7	0.26
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	11	0.26
(1,217)	1:240:A:ASP:H	1:240:A:ASP:HA	11	0.26
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	11	0.26
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	15	0.26
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	15	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	4	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	4	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	4	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	4	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	4	0.26
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	4	0.26
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	3	0.26
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	3	0.26
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	7	0.26
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	6	0.26
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	6	0.26
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	6	0.26
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	6	0.26
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	6	0.26
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	11	0.26
(1,159)	1:226:A:THR:H	1:225:A:GLN:HG2	14	0.26
(1,159)	1:226:A:THR:H	1:225:A:GLN:HG3	14	0.26
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	1	0.26
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	1	0.26
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	1	0.26
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	1	0.26
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	1	0.26
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	1	0.26
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	1	0.26
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	11	0.26
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	11	0.26
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	10	0.26
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	10	0.26
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	10	0.26
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	6	0.26
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	6	0.26
(1,4)	1:179:A:GLU:H	1:178:A:ARG:H	1	0.26
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	15	0.25
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	15	0.25
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	15	0.25
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	15	0.25
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	15	0.25
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	15	0.25
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	3	0.25
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	3	0.25
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	3	0.25
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	3	0.25
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	3	0.25
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	3	0.25
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	6	0.25
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	6	0.25
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	6	0.25
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	6	0.25
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	6	0.25
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	7	0.25
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	7	0.25
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	7	0.25
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	7	0.25
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	7	0.25
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	7	0.25
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	15	0.25
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	15	0.25
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	15	0.25
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	15	0.25
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	15	0.25
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	15	0.25
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	3	0.25
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	3	0.25
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	3	0.25
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	3	0.25
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	3	0.25
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	3	0.25
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	6	0.25
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	6	0.25
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	6	0.25
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	6	0.25
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	6	0.25
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	6	0.25
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	7	0.25
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	7	0.25
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	7	0.25
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	7	0.25
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	7	0.25
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	7	0.25
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	15	0.25
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	15	0.25
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	15	0.25
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	15	0.25
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	15	0.25
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	15	0.25
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	3	0.25
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	3	0.25
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	3	0.25
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	3	0.25
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	3	0.25
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	6	0.25
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	6	0.25
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	6	0.25
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	6	0.25
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	6	0.25
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	6	0.25
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	7	0.25
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	7	0.25
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	7	0.25
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	7	0.25
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	7	0.25
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	7	0.25
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	15	0.25
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	15	0.25
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	15	0.25
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	15	0.25
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	15	0.25
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	15	0.25
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	3	0.25
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	3	0.25
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	3	0.25
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	3	0.25
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	3	0.25
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	3	0.25
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	6	0.25
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	6	0.25
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	6	0.25
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	6	0.25
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	6	0.25
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	6	0.25
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	7	0.25
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	7	0.25
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	7	0.25
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	7	0.25
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	7	0.25
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	7	0.25
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	15	0.25
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	15	0.25
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	15	0.25
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	15	0.25
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	15	0.25
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	3	0.25
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	3	0.25
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	3	0.25
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	3	0.25
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	3	0.25
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	3	0.25
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	6	0.25
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	6	0.25
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	6	0.25
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	6	0.25
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	6	0.25
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	6	0.25
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	7	0.25
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	7	0.25
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	7	0.25
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	7	0.25
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	7	0.25
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	7	0.25
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	6	0.25
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	10	0.25
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	14	0.25
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	14	0.25
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	14	0.25
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	14	0.25
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	14	0.25
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	14	0.25
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	1	0.25
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	1	0.25
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.25
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.25
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.25
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.25
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.25
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.25
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	14	0.25
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	14	0.25
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:262:A:LEU:H	1:258:A:PHE:HB3	9	0.25
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	10	0.25
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	11	0.25
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.25
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	6	0.25
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.25
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	11	0.25
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	11	0.25
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	5	0.25
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	5	0.25
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	13	0.25
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	13	0.25
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	10	0.25
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	10	0.25
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	15	0.25
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	15	0.25
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	15	0.25
(1,1835)	1:232:A:LEU:H	1:231:A:ARG:HB2	6	0.25
(1,1835)	1:232:A:LEU:H	1:231:A:ARG:HB3	6	0.25
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	7	0.25
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	9	0.25
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	12	0.25
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	12	0.25
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	12	0.25
(1,1736)	1:212:A:ASP:H	1:211:A:THR:HG21	4	0.25
(1,1736)	1:212:A:ASP:H	1:211:A:THR:HG22	4	0.25
(1,1736)	1:212:A:ASP:H	1:211:A:THR:HG23	4	0.25
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	9	0.25
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	9	0.25
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.25
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	12	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	12	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	12	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	12	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	12	0.25
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	12	0.25
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	3	0.25
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	3	0.25
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	14	0.25
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	14	0.25
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	12	0.25
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	12	0.25
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	1	0.25
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	1	0.25
(1,1654)	1:178:A:ARG:H	1:177:A:SER:H	1	0.25
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	6	0.25
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	10	0.25
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	14	0.25
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	14	0.25
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	14	0.25
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	14	0.25
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	14	0.25
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	14	0.25
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	1	0.25
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	1	0.25
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.25
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.25
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.25
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.25
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.25
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.25
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	14	0.25
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	14	0.25
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB2	9	0.25
(1,1526)	1:262:A:LEU:H	1:258:A:PHE:HB3	9	0.25
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	10	0.25
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	11	0.25
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.25
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	6	0.25
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.25
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	11	0.25
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	11	0.25
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	5	0.25
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	5	0.25
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	13	0.25
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	13	0.25
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	10	0.25
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	10	0.25
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	15	0.25
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	15	0.25
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	15	0.25
(1,1422)	1:232:A:LEU:H	1:231:A:ARG:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:232:A:LEU:H	1:231:A:ARG:HB3	6	0.25
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	7	0.25
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	9	0.25
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	12	0.25
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	12	0.25
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	12	0.25
(1,1323)	1:212:A:ASP:H	1:211:A:THR:HG21	4	0.25
(1,1323)	1:212:A:ASP:H	1:211:A:THR:HG22	4	0.25
(1,1323)	1:212:A:ASP:H	1:211:A:THR:HG23	4	0.25
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	9	0.25
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	9	0.25
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.25
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	12	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	12	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	12	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	12	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	12	0.25
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	12	0.25
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	3	0.25
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	3	0.25
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	14	0.25
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	14	0.25
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	12	0.25
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	12	0.25
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	12	0.25
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	1	0.25
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	1	0.25
(1,1241)	1:178:A:ARG:H	1:177:A:SER:H	1	0.25
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	6	0.25
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	10	0.25
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	14	0.25
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	14	0.25
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	14	0.25
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	14	0.25
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	14	0.25
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	14	0.25
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	1	0.25
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	1	0.25
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.25
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.25
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.25
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.25
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.25
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	14	0.25
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	14	0.25
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB2	9	0.25
(1,1113)	1:262:A:LEU:H	1:258:A:PHE:HB3	9	0.25
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	10	0.25
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	11	0.25
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.25
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	6	0.25
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.25
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	11	0.25
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	11	0.25
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	5	0.25
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	5	0.25
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	13	0.25
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	13	0.25
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	10	0.25
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	10	0.25
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	15	0.25
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	15	0.25
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	15	0.25
(1,1009)	1:232:A:LEU:H	1:231:A:ARG:HB2	6	0.25
(1,1009)	1:232:A:LEU:H	1:231:A:ARG:HB3	6	0.25
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	7	0.25
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	9	0.25
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	12	0.25
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	12	0.25
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	12	0.25
(1,910)	1:212:A:ASP:H	1:211:A:THR:HG21	4	0.25
(1,910)	1:212:A:ASP:H	1:211:A:THR:HG22	4	0.25
(1,910)	1:212:A:ASP:H	1:211:A:THR:HG23	4	0.25
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	9	0.25
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	9	0.25
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.25
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.25
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	12	0.25
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	12	0.25
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	12	0.25
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	12	0.25
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	12	0.25
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	3	0.25
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	3	0.25
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	14	0.25
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	14	0.25
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	12	0.25
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	12	0.25
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	12	0.25
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	1	0.25
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	1	0.25
(1,828)	1:178:A:ARG:H	1:177:A:SER:H	1	0.25
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	6	0.25
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	10	0.25
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	14	0.25
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	14	0.25
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	14	0.25
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	14	0.25
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	14	0.25
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	14	0.25
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	1	0.25
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	1	0.25
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.25
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.25
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.25
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.25
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.25
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.25
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	14	0.25
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	14	0.25
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB2	9	0.25
(1,700)	1:262:A:LEU:H	1:258:A:PHE:HB3	9	0.25
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	10	0.25
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	11	0.25
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.25
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	6	0.25
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.25
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	11	0.25
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	11	0.25
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	5	0.25
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	5	0.25
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	13	0.25
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	10	0.25
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	10	0.25
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	15	0.25
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	15	0.25
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	15	0.25
(1,596)	1:232:A:LEU:H	1:231:A:ARG:HB2	6	0.25
(1,596)	1:232:A:LEU:H	1:231:A:ARG:HB3	6	0.25
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	7	0.25
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	9	0.25
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	12	0.25
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	12	0.25
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	12	0.25
(1,497)	1:212:A:ASP:H	1:211:A:THR:HG21	4	0.25
(1,497)	1:212:A:ASP:H	1:211:A:THR:HG22	4	0.25
(1,497)	1:212:A:ASP:H	1:211:A:THR:HG23	4	0.25
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	9	0.25
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	9	0.25
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.25
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	12	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	12	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	12	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	12	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	12	0.25
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	12	0.25
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	3	0.25
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	3	0.25
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	14	0.25
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	14	0.25
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	12	0.25
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	12	0.25
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	12	0.25
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	1	0.25
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	1	0.25
(1,415)	1:178:A:ARG:H	1:177:A:SER:H	1	0.25
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	6	0.25
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	10	0.25
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	14	0.25
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	14	0.25
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	14	0.25
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	14	0.25
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	14	0.25
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	1	0.25
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	1	0.25
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	10	0.25
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	10	0.25
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	10	0.25
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	10	0.25
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	10	0.25
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	10	0.25
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	14	0.25
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	14	0.25
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB2	9	0.25
(1,287)	1:262:A:LEU:H	1:258:A:PHE:HB3	9	0.25
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	10	0.25
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	11	0.25
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	15	0.25
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	6	0.25
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	14	0.25
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	11	0.25
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	11	0.25
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	5	0.25
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	5	0.25
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	13	0.25
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	13	0.25
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	10	0.25
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	10	0.25
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	15	0.25
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	15	0.25
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	15	0.25
(1,183)	1:232:A:LEU:H	1:231:A:ARG:HB2	6	0.25
(1,183)	1:232:A:LEU:H	1:231:A:ARG:HB3	6	0.25
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	7	0.25
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	9	0.25
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	12	0.25
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	12	0.25
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	12	0.25
(1,84)	1:212:A:ASP:H	1:211:A:THR:HG21	4	0.25
(1,84)	1:212:A:ASP:H	1:211:A:THR:HG22	4	0.25
(1,84)	1:212:A:ASP:H	1:211:A:THR:HG23	4	0.25
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	9	0.25
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	9	0.25
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	14	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	12	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	12	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	12	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	12	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	12	0.25
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	12	0.25
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	3	0.25
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	3	0.25
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	14	0.25
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	14	0.25
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	12	0.25
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	12	0.25
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	12	0.25
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	1	0.25
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	1	0.25
(1,2)	1:178:A:ARG:H	1:177:A:SER:H	1	0.25
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.24
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.24
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.24
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	8	0.24
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	8	0.24
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	8	0.24
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	14	0.24
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	14	0.24
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	14	0.24
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	9	0.24
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	9	0.24
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	9	0.24
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	9	0.24
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	9	0.24
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	9	0.24
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	9	0.24
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	9	0.24
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	9	0.24
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	9	0.24
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	9	0.24
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	9	0.24
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	1	0.24
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	1	0.24
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	1	0.24
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	6	0.24
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	6	0.24
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.24
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.24
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.24
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	8	0.24
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	8	0.24
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	8	0.24
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	14	0.24
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	14	0.24
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	14	0.24
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	9	0.24
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	9	0.24
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	9	0.24
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	9	0.24
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	9	0.24
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	9	0.24
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	9	0.24
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	9	0.24
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	9	0.24
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	9	0.24
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	9	0.24
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	9	0.24
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	1	0.24
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	1	0.24
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	1	0.24
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	6	0.24
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	6	0.24
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	6	0.24
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.24
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.24
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.24
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	8	0.24
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	8	0.24
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	8	0.24
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	14	0.24
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	14	0.24
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	14	0.24
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	9	0.24
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	9	0.24
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	9	0.24
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	9	0.24
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	9	0.24
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	9	0.24
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	9	0.24
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	9	0.24
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	9	0.24
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	9	0.24
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	9	0.24
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	1	0.24
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	1	0.24
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	1	0.24
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	6	0.24
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	6	0.24
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	6	0.24
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.24
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.24
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.24
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	8	0.24
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	8	0.24
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	8	0.24
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	14	0.24
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	14	0.24
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	14	0.24
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	9	0.24
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	9	0.24
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	9	0.24
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	9	0.24
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	9	0.24
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	9	0.24
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	9	0.24
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	9	0.24
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	9	0.24
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	9	0.24
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	9	0.24
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	9	0.24
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	1	0.24
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	1	0.24
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	1	0.24
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	6	0.24
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	6	0.24
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	6	0.24
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	15	0.24
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	15	0.24
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	8	0.24
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	8	0.24
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	8	0.24
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	14	0.24
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	14	0.24
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	14	0.24
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	9	0.24
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	9	0.24
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	9	0.24
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	9	0.24
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	9	0.24
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	9	0.24
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	9	0.24
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	9	0.24
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	9	0.24
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	9	0.24
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	9	0.24
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	9	0.24
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	1	0.24
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	1	0.24
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	1	0.24
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	6	0.24
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	6	0.24
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	6	0.24
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	4	0.24
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	2	0.24
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.24
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.24
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.24
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.24
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.24
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.24
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	8	0.24
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	8	0.24
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	8	0.24
(1,2030)	1:307:A:ARG:H	1:309:A:GLN:H	12	0.24
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.24
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.24
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	6	0.24
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	2	0.24
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	2	0.24
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	2	0.24
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	2	0.24
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	2	0.24
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	2	0.24
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	2	0.24
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	2	0.24
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	7	0.24
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	7	0.24
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	15	0.24
(1,1906)	1:246:A:THR:H	1:243:A:GLU:HA	12	0.24
(1,1884)	1:241:A:ILE:HD11	1:240:A:ASP:H	2	0.24
(1,1884)	1:241:A:ILE:HD12	1:240:A:ASP:H	2	0.24
(1,1884)	1:241:A:ILE:HD13	1:240:A:ASP:H	2	0.24
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	13	0.24
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	11	0.24
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	11	0.24
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB2	13	0.24
(1,1855)	1:237:A:TYR:H	1:236:A:GLU:HB3	13	0.24
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	13	0.24
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	13	0.24
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	15	0.24
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	15	0.24
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	2	0.24
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	2	0.24
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	2	0.24
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	2	0.24
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	2	0.24
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	2	0.24
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	13	0.24
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	4	0.24
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	3	0.24
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	7	0.24
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	7	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	1	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	1	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	1	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	9	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	9	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	9	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.24
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	15	0.24
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	15	0.24
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.24
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.24
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	4	0.24
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	2	0.24
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.24
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.24
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.24
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.24
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.24
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.24
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	8	0.24
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	8	0.24
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	8	0.24
(1,1617)	1:307:A:ARG:H	1:309:A:GLN:H	12	0.24
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.24
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.24
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	6	0.24
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	2	0.24
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	2	0.24
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	2	0.24
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	2	0.24
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	2	0.24
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	2	0.24
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	2	0.24
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	2	0.24
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	2	0.24
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	7	0.24
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	7	0.24
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	15	0.24
(1,1493)	1:246:A:THR:H	1:243:A:GLU:HA	12	0.24
(1,1471)	1:241:A:ILE:HD11	1:240:A:ASP:H	2	0.24
(1,1471)	1:241:A:ILE:HD12	1:240:A:ASP:H	2	0.24
(1,1471)	1:241:A:ILE:HD13	1:240:A:ASP:H	2	0.24
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	11	0.24
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	11	0.24
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB2	13	0.24
(1,1442)	1:237:A:TYR:H	1:236:A:GLU:HB3	13	0.24
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	13	0.24
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	13	0.24
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	15	0.24
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	15	0.24
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	2	0.24
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	2	0.24
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	2	0.24
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	2	0.24
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	2	0.24
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	2	0.24
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	13	0.24
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	4	0.24
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	3	0.24
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	7	0.24
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	7	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	1	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	1	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	1	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	9	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	9	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	9	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.24
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	15	0.24
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	15	0.24
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.24
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.24
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	4	0.24
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	2	0.24
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.24
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.24
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.24
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.24
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.24
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	8	0.24
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	8	0.24
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	8	0.24
(1,1204)	1:307:A:ARG:H	1:309:A:GLN:H	12	0.24
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.24
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.24
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	6	0.24
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	2	0.24
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	2	0.24
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	2	0.24
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	2	0.24
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	2	0.24
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	2	0.24
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	2	0.24
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	2	0.24
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	2	0.24
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	7	0.24
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	7	0.24
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	15	0.24
(1,1080)	1:246:A:THR:H	1:243:A:GLU:HA	12	0.24
(1,1058)	1:241:A:ILE:HD11	1:240:A:ASP:H	2	0.24
(1,1058)	1:241:A:ILE:HD12	1:240:A:ASP:H	2	0.24
(1,1058)	1:241:A:ILE:HD13	1:240:A:ASP:H	2	0.24
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	13	0.24
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	11	0.24
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	11	0.24
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB2	13	0.24
(1,1029)	1:237:A:TYR:H	1:236:A:GLU:HB3	13	0.24
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	13	0.24
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	13	0.24
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	15	0.24
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	15	0.24
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	2	0.24
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	2	0.24
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	2	0.24
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	2	0.24
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	2	0.24
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	2	0.24
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	13	0.24
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	3	0.24
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	7	0.24
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	7	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	1	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	1	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	1	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	9	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	9	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	9	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.24
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	15	0.24
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	15	0.24
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.24
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.24
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	4	0.24
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	2	0.24
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.24
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.24
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.24
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.24
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.24
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.24
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	8	0.24
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	8	0.24
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	8	0.24
(1,791)	1:307:A:ARG:H	1:309:A:GLN:H	12	0.24
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.24
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.24
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	6	0.24
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	2	0.24
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	2	0.24
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	2	0.24
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	2	0.24
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	2	0.24
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	2	0.24
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	2	0.24
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	2	0.24
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	7	0.24
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	7	0.24
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	15	0.24
(1,667)	1:246:A:THR:H	1:243:A:GLU:HA	12	0.24
(1,645)	1:241:A:ILE:HD11	1:240:A:ASP:H	2	0.24
(1,645)	1:241:A:ILE:HD12	1:240:A:ASP:H	2	0.24
(1,645)	1:241:A:ILE:HD13	1:240:A:ASP:H	2	0.24
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	13	0.24
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	11	0.24
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	11	0.24
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB2	13	0.24
(1,616)	1:237:A:TYR:H	1:236:A:GLU:HB3	13	0.24
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	13	0.24
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	13	0.24
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	15	0.24
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	15	0.24
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	2	0.24
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	2	0.24
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	2	0.24
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	2	0.24
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	2	0.24
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	2	0.24
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	13	0.24
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	4	0.24
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	3	0.24
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	7	0.24
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	7	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	1	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	1	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	1	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	9	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	9	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	9	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.24
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.24
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	15	0.24
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	15	0.24
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	15	0.24
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	15	0.24
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	15	0.24
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.24
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.24
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	4	0.24
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	2	0.24
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	15	0.24
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	15	0.24
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	15	0.24
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	15	0.24
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	15	0.24
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	15	0.24
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	8	0.24
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	8	0.24
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	8	0.24
(1,378)	1:307:A:ARG:H	1:309:A:GLN:H	12	0.24
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	6	0.24
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	6	0.24
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	6	0.24
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	2	0.24
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	2	0.24
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	2	0.24
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	2	0.24
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	2	0.24
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	2	0.24
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	2	0.24
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	2	0.24
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	2	0.24
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	7	0.24
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	7	0.24
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	15	0.24
(1,254)	1:246:A:THR:H	1:243:A:GLU:HA	12	0.24
(1,232)	1:241:A:ILE:HD11	1:240:A:ASP:H	2	0.24
(1,232)	1:241:A:ILE:HD12	1:240:A:ASP:H	2	0.24
(1,232)	1:241:A:ILE:HD13	1:240:A:ASP:H	2	0.24
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	13	0.24
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	11	0.24
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	11	0.24
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB2	13	0.24
(1,203)	1:237:A:TYR:H	1:236:A:GLU:HB3	13	0.24
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	13	0.24
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	15	0.24
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	15	0.24
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	2	0.24
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	2	0.24
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	2	0.24
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	2	0.24
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	2	0.24
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	2	0.24
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	13	0.24
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	4	0.24
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	3	0.24
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	7	0.24
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	7	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	1	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	1	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	1	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	9	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	9	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	9	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	15	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	15	0.24
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	15	0.24
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	15	0.24
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	15	0.24
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	15	0.24
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB2	5	0.23
(1,2430)	1:318:A:GLU:H	1:316:A:PRO:HB3	5	0.23
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB2	5	0.23
(1,2429)	1:318:A:GLU:H	1:316:A:PRO:HB3	5	0.23
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB2	5	0.23
(1,2428)	1:318:A:GLU:H	1:316:A:PRO:HB3	5	0.23
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB2	5	0.23
(1,2427)	1:318:A:GLU:H	1:316:A:PRO:HB3	5	0.23
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB2	5	0.23
(1,2426)	1:318:A:GLU:H	1:316:A:PRO:HB3	5	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	1	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	1	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	6	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	6	0.23
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	6	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	1	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	1	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	1	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	6	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	6	0.23
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	6	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	1	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	1	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	1	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	6	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	6	0.23
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	6	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	1	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	1	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	1	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	6	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	6	0.23
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	6	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	1	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	1	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	1	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	6	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	6	0.23
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	6	0.23
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	10	0.23
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	10	0.23
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	10	0.23
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	10	0.23
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	10	0.23
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	10	0.23
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	10	0.23
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	10	0.23
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	10	0.23
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	7	0.23
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	7	0.23
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	7	0.23
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	7	0.23
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	7	0.23
(1,2192)	1:224:A:VAL:HG21	1:245:A:VAL:HB	8	0.23
(1,2192)	1:224:A:VAL:HG22	1:245:A:VAL:HB	8	0.23
(1,2192)	1:224:A:VAL:HG23	1:245:A:VAL:HB	8	0.23
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.23
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.23
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.23
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.23
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.23
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.23
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	10	0.23
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	10	0.23
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	10	0.23
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	10	0.23
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	10	0.23
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	10	0.23
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	10	0.23
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	10	0.23
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	10	0.23
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	7	0.23
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	7	0.23
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	7	0.23
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	7	0.23
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	7	0.23
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	7	0.23
(1,2163)	1:224:A:VAL:HG21	1:245:A:VAL:HB	8	0.23
(1,2163)	1:224:A:VAL:HG22	1:245:A:VAL:HB	8	0.23
(1,2163)	1:224:A:VAL:HG23	1:245:A:VAL:HB	8	0.23
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.23
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.23
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.23
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.23
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.23
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.23
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	10	0.23
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	10	0.23
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	10	0.23
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	10	0.23
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	10	0.23
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	10	0.23
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	10	0.23
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	10	0.23
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	7	0.23
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	7	0.23
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	7	0.23
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	7	0.23
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	7	0.23
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	7	0.23
(1,2134)	1:224:A:VAL:HG21	1:245:A:VAL:HB	8	0.23
(1,2134)	1:224:A:VAL:HG22	1:245:A:VAL:HB	8	0.23
(1,2134)	1:224:A:VAL:HG23	1:245:A:VAL:HB	8	0.23
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.23
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.23
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.23
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.23
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.23
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.23
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	10	0.23
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	10	0.23
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	10	0.23
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	10	0.23
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	10	0.23
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	10	0.23
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	10	0.23
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	10	0.23
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	10	0.23
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	7	0.23
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	7	0.23
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	7	0.23
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	7	0.23
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	7	0.23
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	7	0.23
(1,2105)	1:224:A:VAL:HG21	1:245:A:VAL:HB	8	0.23
(1,2105)	1:224:A:VAL:HG22	1:245:A:VAL:HB	8	0.23
(1,2105)	1:224:A:VAL:HG23	1:245:A:VAL:HB	8	0.23
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.23
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.23
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.23
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.23
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.23
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.23
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	10	0.23
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	10	0.23
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	10	0.23
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	10	0.23
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	10	0.23
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	10	0.23
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	10	0.23
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	10	0.23
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	7	0.23
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	7	0.23
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	7	0.23
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	7	0.23
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	7	0.23
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	7	0.23
(1,2076)	1:224:A:VAL:HG21	1:245:A:VAL:HB	8	0.23
(1,2076)	1:224:A:VAL:HG22	1:245:A:VAL:HB	8	0.23
(1,2076)	1:224:A:VAL:HG23	1:245:A:VAL:HB	8	0.23
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	9	0.23
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	9	0.23
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	9	0.23
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	9	0.23
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	9	0.23
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	9	0.23
(1,2065)	1:318:A:GLU:H	1:317:A:LEU:HG	5	0.23
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	9	0.23
(1,2064)	1:318:A:GLU:H	1:317:A:LEU:H	14	0.23
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	2	0.23
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	2	0.23
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	2	0.23
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	2	0.23
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	2	0.23
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	2	0.23
(1,2050)	1:313:A:LEU:H	1:311:A:LYS:H	3	0.23
(1,2050)	1:313:A:LEU:H	1:311:A:LYS:H	14	0.23
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	3	0.23
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	3	0.23
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.23
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.23
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	9	0.23
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	3	0.23
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	3	0.23
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	3	0.23
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	6	0.23
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	6	0.23
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	6	0.23
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	6	0.23
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	6	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	3	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	3	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	3	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	3	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	3	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	3	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	4	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	4	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	4	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	4	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	4	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	4	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	14	0.23
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	14	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	14	0.23
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	14	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	14	0.23
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	14	0.23
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	1	0.23
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	6	0.23
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	14	0.23
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	7	0.23
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	10	0.23
(1,1864)	1:240:A:ASP:H	1:239:A:TRP:HB3	1	0.23
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	14	0.23
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	14	0.23
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.23
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.23
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	1	0.23
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	1	0.23
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	11	0.23
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	11	0.23
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	7	0.23
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	2	0.23
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	3	0.23
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	5	0.23
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	2	0.23
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	15	0.23
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	15	0.23
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	1	0.23
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	3	0.23
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	13	0.23
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	13	0.23
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	7	0.23
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	7	0.23
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	7	0.23
(1,1656)	1:179:A:GLU:H	1:178:A:ARG:H	5	0.23
(1,1654)	1:178:A:ARG:H	1:177:A:SER:H	12	0.23
(1,1652)	1:318:A:GLU:H	1:317:A:LEU:HG	5	0.23
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	9	0.23
(1,1651)	1:318:A:GLU:H	1:317:A:LEU:H	14	0.23
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	2	0.23
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	2	0.23
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	2	0.23
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	2	0.23
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	2	0.23
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	2	0.23
(1,1637)	1:313:A:LEU:H	1:311:A:LYS:H	3	0.23
(1,1637)	1:313:A:LEU:H	1:311:A:LYS:H	14	0.23
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	3	0.23
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	3	0.23
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.23
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.23
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	9	0.23
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	3	0.23
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	3	0.23
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	3	0.23
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	6	0.23
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	6	0.23
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	6	0.23
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	6	0.23
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	6	0.23
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	6	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	3	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	3	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	3	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	3	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	3	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	4	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	4	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	4	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	4	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	4	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	4	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	14	0.23
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	14	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	14	0.23
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	14	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	14	0.23
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	14	0.23
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	1	0.23
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	6	0.23
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	14	0.23
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	7	0.23
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	10	0.23
(1,1451)	1:240:A:ASP:H	1:239:A:TRP:HB3	1	0.23
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	14	0.23
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	14	0.23
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.23
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.23
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	1	0.23
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	1	0.23
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	11	0.23
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	11	0.23
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	7	0.23
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	2	0.23
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	3	0.23
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	5	0.23
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	1	0.23
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	2	0.23
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	15	0.23
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	15	0.23
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	1	0.23
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	3	0.23
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	13	0.23
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	13	0.23
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	7	0.23
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	7	0.23
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:179:A:GLU:H	1:178:A:ARG:H	5	0.23
(1,1241)	1:178:A:ARG:H	1:177:A:SER:H	12	0.23
(1,1239)	1:318:A:GLU:H	1:317:A:LEU:HG	5	0.23
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	9	0.23
(1,1238)	1:318:A:GLU:H	1:317:A:LEU:H	14	0.23
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	2	0.23
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	2	0.23
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	2	0.23
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	2	0.23
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	2	0.23
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	2	0.23
(1,1224)	1:313:A:LEU:H	1:311:A:LYS:H	3	0.23
(1,1224)	1:313:A:LEU:H	1:311:A:LYS:H	14	0.23
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	3	0.23
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	3	0.23
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.23
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.23
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	9	0.23
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	3	0.23
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	3	0.23
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	3	0.23
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	6	0.23
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	6	0.23
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	6	0.23
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	6	0.23
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	6	0.23
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	6	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	3	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	3	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	3	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	3	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	3	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	3	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	4	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	4	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	4	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	4	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	4	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	4	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	14	0.23
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	14	0.23
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	14	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	14	0.23
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	14	0.23
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	1	0.23
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	6	0.23
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	14	0.23
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	7	0.23
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	10	0.23
(1,1038)	1:240:A:ASP:H	1:239:A:TRP:HB3	1	0.23
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	14	0.23
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	14	0.23
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.23
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.23
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	1	0.23
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	1	0.23
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	11	0.23
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	11	0.23
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	7	0.23
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	2	0.23
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	3	0.23
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	5	0.23
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	1	0.23
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	2	0.23
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	15	0.23
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	15	0.23
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	1	0.23
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	3	0.23
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	13	0.23
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	13	0.23
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	7	0.23
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	7	0.23
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	7	0.23
(1,830)	1:179:A:GLU:H	1:178:A:ARG:H	5	0.23
(1,828)	1:178:A:ARG:H	1:177:A:SER:H	12	0.23
(1,826)	1:318:A:GLU:H	1:317:A:LEU:HG	5	0.23
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	9	0.23
(1,825)	1:318:A:GLU:H	1:317:A:LEU:H	14	0.23
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	2	0.23
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	2	0.23
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	2	0.23
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	2	0.23
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	2	0.23
(1,811)	1:313:A:LEU:H	1:311:A:LYS:H	3	0.23
(1,811)	1:313:A:LEU:H	1:311:A:LYS:H	14	0.23
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	3	0.23
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	3	0.23
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.23
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.23
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	9	0.23
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	3	0.23
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	3	0.23
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	3	0.23
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	6	0.23
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	6	0.23
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	6	0.23
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	6	0.23
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	6	0.23
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	6	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	3	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	3	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	3	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	3	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	3	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	3	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	4	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	4	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	4	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	4	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	4	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	4	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	14	0.23
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	14	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	14	0.23
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	14	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	14	0.23
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	14	0.23
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	1	0.23
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	6	0.23
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	14	0.23
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	7	0.23
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	10	0.23
(1,625)	1:240:A:ASP:H	1:239:A:TRP:HB3	1	0.23
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	14	0.23
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.23
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.23
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	1	0.23
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	1	0.23
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	11	0.23
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	11	0.23
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	7	0.23
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	2	0.23
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	3	0.23
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	5	0.23
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	1	0.23
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	2	0.23
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	15	0.23
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	15	0.23
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	1	0.23
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	3	0.23
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	13	0.23
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	13	0.23
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	7	0.23
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	7	0.23
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	7	0.23
(1,417)	1:179:A:GLU:H	1:178:A:ARG:H	5	0.23
(1,415)	1:178:A:ARG:H	1:177:A:SER:H	12	0.23
(1,413)	1:318:A:GLU:H	1:317:A:LEU:HG	5	0.23
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	9	0.23
(1,412)	1:318:A:GLU:H	1:317:A:LEU:H	14	0.23
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	2	0.23
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	2	0.23
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	2	0.23
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	2	0.23
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	2	0.23
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	2	0.23
(1,398)	1:313:A:LEU:H	1:311:A:LYS:H	3	0.23
(1,398)	1:313:A:LEU:H	1:311:A:LYS:H	14	0.23
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	3	0.23
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	3	0.23
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	14	0.23
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	14	0.23
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	9	0.23
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	3	0.23
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	3	0.23
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	6	0.23
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	6	0.23
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	6	0.23
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	6	0.23
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	6	0.23
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	6	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	3	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	3	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	3	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	3	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	3	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	3	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	4	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	4	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	4	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	4	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	4	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	4	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	14	0.23
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	14	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	14	0.23
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	14	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	14	0.23
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	14	0.23
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	1	0.23
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	6	0.23
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	14	0.23
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	7	0.23
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	10	0.23
(1,212)	1:240:A:ASP:H	1:239:A:TRP:HB3	1	0.23
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	14	0.23
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	14	0.23
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	15	0.23
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	15	0.23
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	1	0.23
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	1	0.23
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	11	0.23
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	11	0.23
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	7	0.23
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	2	0.23
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	5	0.23
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	1	0.23
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	2	0.23
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	15	0.23
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	15	0.23
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	1	0.23
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	3	0.23
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	13	0.23
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	13	0.23
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	7	0.23
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	7	0.23
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	7	0.23
(1,4)	1:179:A:GLU:H	1:178:A:ARG:H	5	0.23
(1,2)	1:178:A:ARG:H	1:177:A:SER:H	12	0.23
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	11	0.22
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	11	0.22
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	11	0.22
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	5	0.22
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	5	0.22
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	5	0.22
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	5	0.22
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	5	0.22
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	5	0.22
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD2	10	0.22
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD3	10	0.22
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD2	10	0.22
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD3	10	0.22
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD2	10	0.22
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD3	10	0.22
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	11	0.22
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	11	0.22
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	11	0.22
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	5	0.22
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	5	0.22
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	5	0.22
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	5	0.22
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	5	0.22
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	5	0.22
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD2	10	0.22
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD3	10	0.22
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD2	10	0.22
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD2	10	0.22
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD3	10	0.22
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	11	0.22
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	11	0.22
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	11	0.22
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	5	0.22
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	5	0.22
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	5	0.22
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	5	0.22
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	5	0.22
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	5	0.22
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD2	10	0.22
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD3	10	0.22
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD2	10	0.22
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD3	10	0.22
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD2	10	0.22
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD3	10	0.22
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	11	0.22
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	11	0.22
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	11	0.22
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	5	0.22
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	5	0.22
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	5	0.22
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	5	0.22
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	5	0.22
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	5	0.22
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD2	10	0.22
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD3	10	0.22
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD2	10	0.22
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD3	10	0.22
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD2	10	0.22
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD3	10	0.22
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	11	0.22
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	11	0.22
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	11	0.22
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	5	0.22
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	5	0.22
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	5	0.22
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	5	0.22
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	5	0.22
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	5	0.22
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD3	10	0.22
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD2	10	0.22
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD3	10	0.22
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD2	10	0.22
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD3	10	0.22
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	7	0.22
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	7	0.22
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	7	0.22
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	7	0.22
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	7	0.22
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	7	0.22
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	4	0.22
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	4	0.22
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	4	0.22
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	4	0.22
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	4	0.22
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	4	0.22
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	13	0.22
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	13	0.22
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	13	0.22
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	15	0.22
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	15	0.22
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	15	0.22
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	10	0.22
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	10	0.22
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	3	0.22
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	5	0.22
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	5	0.22
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	5	0.22
(1,1970)	1:293:A:ILE:H	1:290:A:ASN:HA	8	0.22
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	5	0.22
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	5	0.22
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	5	0.22
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	5	0.22
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	5	0.22
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	5	0.22
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	7	0.22
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	7	0.22
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	7	0.22
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	7	0.22
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	7	0.22
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22
(1,1912)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.22
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	14	0.22
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	14	0.22
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	2	0.22
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	2	0.22
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	12	0.22
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	12	0.22
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	13	0.22
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	13	0.22
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	13	0.22
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	14	0.22
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	14	0.22
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	14	0.22
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	3	0.22
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	3	0.22
(1,1821)	1:228:A:LEU:HD11	1:225:A:GLN:HA	12	0.22
(1,1821)	1:228:A:LEU:HD12	1:225:A:GLN:HA	12	0.22
(1,1821)	1:228:A:LEU:HD13	1:225:A:GLN:HA	12	0.22
(1,1821)	1:228:A:LEU:HD21	1:225:A:GLN:HA	12	0.22
(1,1821)	1:228:A:LEU:HD22	1:225:A:GLN:HA	12	0.22
(1,1821)	1:228:A:LEU:HD23	1:225:A:GLN:HA	12	0.22
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	15	0.22
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	9	0.22
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	9	0.22
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	9	0.22
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	9	0.22
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	9	0.22
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	9	0.22
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	9	0.22
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	1	0.22
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	11	0.22
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	5	0.22
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	8	0.22
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	10	0.22
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	11	0.22
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	8	0.22
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	8	0.22
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	8	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	3	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	3	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	4	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	4	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	8	0.22
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	8	0.22
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	1	0.22
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	1	0.22
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	1	0.22
(1,1715)	1:197:A:HIS:H	1:195:A:PRO:HA	14	0.22
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB1	12	0.22
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB2	12	0.22
(1,1712)	1:197:A:HIS:H	1:194:A:ALA:HB3	12	0.22
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	13	0.22
(1,1705)	1:194:A:ALA:H	1:193:A:LEU:HB2	7	0.22
(1,1705)	1:194:A:ALA:H	1:193:A:LEU:HB3	7	0.22
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB2	9	0.22
(1,1670)	1:186:A:LEU:H	1:185:A:GLN:HB3	9	0.22
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	8	0.22
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	8	0.22
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	8	0.22
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	9	0.22
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	7	0.22
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	7	0.22
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	7	0.22
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	7	0.22
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	7	0.22
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	7	0.22
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	4	0.22
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	4	0.22
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	4	0.22
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	4	0.22
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	4	0.22
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	4	0.22
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	13	0.22
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	13	0.22
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	13	0.22
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	15	0.22
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	15	0.22
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	10	0.22
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	10	0.22
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	3	0.22
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	5	0.22
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	5	0.22
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	5	0.22
(1,1557)	1:293:A:ILE:H	1:290:A:ASN:HA	8	0.22
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	5	0.22
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	5	0.22
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	5	0.22
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	5	0.22
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	5	0.22
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	5	0.22
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	7	0.22
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	7	0.22
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	7	0.22
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	7	0.22
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	7	0.22
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	7	0.22
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22
(1,1499)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.22
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	14	0.22
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	14	0.22
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	2	0.22
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	2	0.22
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	12	0.22
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	12	0.22
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	13	0.22
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	13	0.22
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	13	0.22
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	14	0.22
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	14	0.22
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	14	0.22
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	3	0.22
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	3	0.22
(1,1408)	1:228:A:LEU:HD11	1:225:A:GLN:HA	12	0.22
(1,1408)	1:228:A:LEU:HD12	1:225:A:GLN:HA	12	0.22
(1,1408)	1:228:A:LEU:HD13	1:225:A:GLN:HA	12	0.22
(1,1408)	1:228:A:LEU:HD21	1:225:A:GLN:HA	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:228:A:LEU:HD22	1:225:A:GLN:HA	12	0.22
(1,1408)	1:228:A:LEU:HD23	1:225:A:GLN:HA	12	0.22
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	15	0.22
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	9	0.22
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	9	0.22
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	9	0.22
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	9	0.22
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	9	0.22
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	9	0.22
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	9	0.22
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	1	0.22
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	11	0.22
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	5	0.22
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	8	0.22
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	10	0.22
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.22
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	11	0.22
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	8	0.22
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	8	0.22
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	8	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	3	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	3	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	4	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	4	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	8	0.22
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	8	0.22
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	1	0.22
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	1	0.22
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	1	0.22
(1,1302)	1:197:A:HIS:H	1:195:A:PRO:HA	14	0.22
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB1	12	0.22
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB2	12	0.22
(1,1299)	1:197:A:HIS:H	1:194:A:ALA:HB3	12	0.22
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	13	0.22
(1,1292)	1:194:A:ALA:H	1:193:A:LEU:HB2	7	0.22
(1,1292)	1:194:A:ALA:H	1:193:A:LEU:HB3	7	0.22
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:186:A:LEU:H	1:185:A:GLN:HB3	9	0.22
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	8	0.22
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	8	0.22
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	8	0.22
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	9	0.22
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	7	0.22
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	7	0.22
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	7	0.22
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	7	0.22
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	7	0.22
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	7	0.22
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	4	0.22
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	4	0.22
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	4	0.22
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	4	0.22
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	4	0.22
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	4	0.22
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	13	0.22
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	13	0.22
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	13	0.22
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	15	0.22
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	15	0.22
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	15	0.22
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	10	0.22
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	10	0.22
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	3	0.22
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	5	0.22
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	5	0.22
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	5	0.22
(1,1144)	1:293:A:ILE:H	1:290:A:ASN:HA	8	0.22
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	5	0.22
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	5	0.22
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	5	0.22
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	5	0.22
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	5	0.22
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	5	0.22
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	7	0.22
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	7	0.22
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	7	0.22
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	7	0.22
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	7	0.22
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22
(1,1086)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.22
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	14	0.22
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	14	0.22
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	2	0.22
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	2	0.22
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	12	0.22
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	12	0.22
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	13	0.22
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	13	0.22
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	13	0.22
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	14	0.22
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	14	0.22
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	14	0.22
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	3	0.22
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	3	0.22
(1,995)	1:228:A:LEU:HD11	1:225:A:GLN:HA	12	0.22
(1,995)	1:228:A:LEU:HD12	1:225:A:GLN:HA	12	0.22
(1,995)	1:228:A:LEU:HD13	1:225:A:GLN:HA	12	0.22
(1,995)	1:228:A:LEU:HD21	1:225:A:GLN:HA	12	0.22
(1,995)	1:228:A:LEU:HD22	1:225:A:GLN:HA	12	0.22
(1,995)	1:228:A:LEU:HD23	1:225:A:GLN:HA	12	0.22
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	15	0.22
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	9	0.22
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	9	0.22
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	9	0.22
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	9	0.22
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	9	0.22
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	9	0.22
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	9	0.22
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	1	0.22
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	11	0.22
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	5	0.22
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	8	0.22
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	10	0.22
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	11	0.22
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	8	0.22
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	8	0.22
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	8	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	3	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	3	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	4	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	4	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	8	0.22
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	8	0.22
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	1	0.22
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	1	0.22
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	1	0.22
(1,889)	1:197:A:HIS:H	1:195:A:PRO:HA	14	0.22
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB1	12	0.22
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB2	12	0.22
(1,886)	1:197:A:HIS:H	1:194:A:ALA:HB3	12	0.22
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	13	0.22
(1,879)	1:194:A:ALA:H	1:193:A:LEU:HB2	7	0.22
(1,879)	1:194:A:ALA:H	1:193:A:LEU:HB3	7	0.22
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB2	9	0.22
(1,844)	1:186:A:LEU:H	1:185:A:GLN:HB3	9	0.22
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	8	0.22
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	8	0.22
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	8	0.22
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	9	0.22
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	7	0.22
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	7	0.22
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	7	0.22
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	7	0.22
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	7	0.22
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	7	0.22
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	4	0.22
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	4	0.22
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	4	0.22
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	4	0.22
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	4	0.22
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	4	0.22
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	13	0.22
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	13	0.22
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	13	0.22
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	15	0.22
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	15	0.22
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	10	0.22
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	10	0.22
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	3	0.22
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	5	0.22
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	5	0.22
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	5	0.22
(1,731)	1:293:A:ILE:H	1:290:A:ASN:HA	8	0.22
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	5	0.22
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	5	0.22
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	5	0.22
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	5	0.22
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	5	0.22
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	5	0.22
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	7	0.22
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	7	0.22
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	7	0.22
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	7	0.22
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	7	0.22
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	7	0.22
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22
(1,673)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.22
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	14	0.22
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	14	0.22
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	2	0.22
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	2	0.22
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	12	0.22
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	12	0.22
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	13	0.22
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	13	0.22
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	13	0.22
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	14	0.22
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	14	0.22
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	14	0.22
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	3	0.22
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	3	0.22
(1,582)	1:228:A:LEU:HD11	1:225:A:GLN:HA	12	0.22
(1,582)	1:228:A:LEU:HD12	1:225:A:GLN:HA	12	0.22
(1,582)	1:228:A:LEU:HD13	1:225:A:GLN:HA	12	0.22
(1,582)	1:228:A:LEU:HD21	1:225:A:GLN:HA	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:228:A:LEU:HD22	1:225:A:GLN:HA	12	0.22
(1,582)	1:228:A:LEU:HD23	1:225:A:GLN:HA	12	0.22
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	15	0.22
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	9	0.22
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	9	0.22
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	9	0.22
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	9	0.22
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	9	0.22
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	9	0.22
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	9	0.22
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	1	0.22
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	11	0.22
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	5	0.22
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	8	0.22
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	10	0.22
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.22
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	11	0.22
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	8	0.22
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	8	0.22
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	8	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	3	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	3	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	4	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	4	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	8	0.22
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	8	0.22
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	1	0.22
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	1	0.22
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	1	0.22
(1,476)	1:197:A:HIS:H	1:195:A:PRO:HA	14	0.22
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB1	12	0.22
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB2	12	0.22
(1,473)	1:197:A:HIS:H	1:194:A:ALA:HB3	12	0.22
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	13	0.22
(1,466)	1:194:A:ALA:H	1:193:A:LEU:HB2	7	0.22
(1,466)	1:194:A:ALA:H	1:193:A:LEU:HB3	7	0.22
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:186:A:LEU:H	1:185:A:GLN:HB3	9	0.22
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	8	0.22
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	8	0.22
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	8	0.22
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	9	0.22
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	7	0.22
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	7	0.22
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	7	0.22
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	7	0.22
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	7	0.22
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	7	0.22
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	4	0.22
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	4	0.22
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	4	0.22
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	4	0.22
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	4	0.22
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	4	0.22
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	13	0.22
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	13	0.22
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	13	0.22
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	15	0.22
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	15	0.22
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	15	0.22
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	10	0.22
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	10	0.22
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	3	0.22
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	5	0.22
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	5	0.22
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	5	0.22
(1,318)	1:293:A:ILE:H	1:290:A:ASN:HA	8	0.22
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	5	0.22
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	5	0.22
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	5	0.22
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	5	0.22
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	5	0.22
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	5	0.22
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	7	0.22
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	7	0.22
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	7	0.22
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	7	0.22
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	7	0.22
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	7	0.22
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	7	0.22
(1,260)	1:247:A:TYR:H	1:247:A:TYR:HB2	8	0.22
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	14	0.22
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	14	0.22
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	2	0.22
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	2	0.22
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	12	0.22
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	12	0.22
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	13	0.22
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	13	0.22
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	13	0.22
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	14	0.22
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	14	0.22
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	14	0.22
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	3	0.22
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	3	0.22
(1,169)	1:228:A:LEU:HD11	1:225:A:GLN:HA	12	0.22
(1,169)	1:228:A:LEU:HD12	1:225:A:GLN:HA	12	0.22
(1,169)	1:228:A:LEU:HD13	1:225:A:GLN:HA	12	0.22
(1,169)	1:228:A:LEU:HD21	1:225:A:GLN:HA	12	0.22
(1,169)	1:228:A:LEU:HD22	1:225:A:GLN:HA	12	0.22
(1,169)	1:228:A:LEU:HD23	1:225:A:GLN:HA	12	0.22
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	15	0.22
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	9	0.22
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	9	0.22
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	9	0.22
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	9	0.22
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	9	0.22
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	9	0.22
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	9	0.22
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	1	0.22
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	11	0.22
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	5	0.22
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	8	0.22
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	10	0.22
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	11	0.22
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	8	0.22
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	8	0.22
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	8	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	3	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	3	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	4	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	4	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	8	0.22
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	8	0.22
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	1	0.22
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	1	0.22
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	1	0.22
(1,63)	1:197:A:HIS:H	1:195:A:PRO:HA	14	0.22
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB1	12	0.22
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB2	12	0.22
(1,60)	1:197:A:HIS:H	1:194:A:ALA:HB3	12	0.22
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	13	0.22
(1,53)	1:194:A:ALA:H	1:193:A:LEU:HB2	7	0.22
(1,53)	1:194:A:ALA:H	1:193:A:LEU:HB3	7	0.22
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB2	9	0.22
(1,18)	1:186:A:LEU:H	1:185:A:GLN:HB3	9	0.22
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	8	0.22
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	8	0.22
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	8	0.22
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	9	0.22
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	8	0.21
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	8	0.21
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	8	0.21
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	8	0.21
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	8	0.21
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	8	0.21
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	8	0.21
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	8	0.21
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	8	0.21
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	8	0.21
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	8	0.21
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	8	0.21
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	8	0.21
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	8	0.21
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	8	0.21
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	8	0.21
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	8	0.21
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	8	0.21
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	8	0.21
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	8	0.21
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	8	0.21
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	8	0.21
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	8	0.21
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	8	0.21
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	8	0.21
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	8	0.21
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	8	0.21
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	8	0.21
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	8	0.21
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	8	0.21
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	8	0.21
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	8	0.21
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	8	0.21
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	8	0.21
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	8	0.21
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	8	0.21
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	8	0.21
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	8	0.21
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	8	0.21
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	8	0.21
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	8	0.21
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	8	0.21
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	8	0.21
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	8	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	2	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	2	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	2	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD11	10	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD12	10	0.21
(1,2209)	1:308:A:ASN:H	1:184:A:LEU:HD13	10	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	6	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	6	0.21
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	6	0.21
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	2	0.21
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	2	0.21
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	2	0.21
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	2	0.21
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	2	0.21
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	11	0.21
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	11	0.21
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	11	0.21
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	11	0.21
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	11	0.21
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	11	0.21
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	11	0.21
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	11	0.21
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	11	0.21
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	2	0.21
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	2	0.21
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	2	0.21
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	2	0.21
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	2	0.21
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	2	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	2	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	2	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	2	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD11	10	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD12	10	0.21
(1,2180)	1:308:A:ASN:H	1:184:A:LEU:HD13	10	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	6	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	6	0.21
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	6	0.21
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	2	0.21
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	2	0.21
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	2	0.21
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	2	0.21
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	2	0.21
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	2	0.21
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	11	0.21
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	11	0.21
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	11	0.21
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	11	0.21
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	11	0.21
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	11	0.21
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	11	0.21
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	11	0.21
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	11	0.21
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	2	0.21
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	2	0.21
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	2	0.21
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	2	0.21
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	2	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	2	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	2	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	2	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD11	10	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD12	10	0.21
(1,2151)	1:308:A:ASN:H	1:184:A:LEU:HD13	10	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	6	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	6	0.21
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	6	0.21
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	2	0.21
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	2	0.21
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	2	0.21
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	2	0.21
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	2	0.21
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	2	0.21
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	11	0.21
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	11	0.21
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	11	0.21
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	11	0.21
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	11	0.21
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	11	0.21
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	11	0.21
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	11	0.21
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	11	0.21
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	2	0.21
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	2	0.21
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	2	0.21
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	2	0.21
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	2	0.21
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	2	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	2	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	2	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	2	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD11	10	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD12	10	0.21
(1,2122)	1:308:A:ASN:H	1:184:A:LEU:HD13	10	0.21
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	6	0.21
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	6	0.21
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	2	0.21
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	2	0.21
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	2	0.21
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	2	0.21
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	2	0.21
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	2	0.21
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	11	0.21
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	11	0.21
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	11	0.21
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	11	0.21
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	11	0.21
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	11	0.21
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	11	0.21
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	11	0.21
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	11	0.21
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	2	0.21
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	2	0.21
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	2	0.21
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	2	0.21
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	2	0.21
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	2	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	2	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	2	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	2	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD11	10	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD12	10	0.21
(1,2093)	1:308:A:ASN:H	1:184:A:LEU:HD13	10	0.21
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	6	0.21
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	6	0.21
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	6	0.21
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	2	0.21
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	2	0.21
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	2	0.21
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	2	0.21
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	2	0.21
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	2	0.21
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	11	0.21
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	11	0.21
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	11	0.21
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	11	0.21
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	11	0.21
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	11	0.21
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	11	0.21
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	11	0.21
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	2	0.21
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	2	0.21
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	2	0.21
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	2	0.21
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	2	0.21
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	2	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	6	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	6	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	13	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	13	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	15	0.21
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	15	0.21
(1,2016)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.21
(1,2016)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.21
(1,2016)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.21
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	14	0.21
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	14	0.21
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	14	0.21
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	1	0.21
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB2	8	0.21
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB3	8	0.21
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	1	0.21
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	1	0.21
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	1	0.21
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	1	0.21
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	1	0.21
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	1	0.21
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	9	0.21
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	15	0.21
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	15	0.21
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	15	0.21
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	8	0.21
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	8	0.21
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	15	0.21
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	15	0.21
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	1	0.21
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	14	0.21
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	10	0.21
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	10	0.21
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	7	0.21
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	7	0.21
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.21
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.21
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	13	0.21
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	11	0.21
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	2	0.21
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	5	0.21
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	3	0.21
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	6	0.21
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	11	0.21
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	13	0.21
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	6	0.21
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	6	0.21
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	14	0.21
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	9	0.21
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	9	0.21
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	9	0.21
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	3	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	6	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	6	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	13	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	13	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	15	0.21
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	15	0.21
(1,1603)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.21
(1,1603)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.21
(1,1603)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.21
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	14	0.21
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	14	0.21
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	14	0.21
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	1	0.21
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB2	8	0.21
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB3	8	0.21
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	1	0.21
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	1	0.21
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	1	0.21
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	1	0.21
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	1	0.21
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	9	0.21
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	15	0.21
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	15	0.21
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	15	0.21
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	8	0.21
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	8	0.21
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	15	0.21
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	15	0.21
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	1	0.21
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	14	0.21
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	14	0.21
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	10	0.21
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	10	0.21
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	7	0.21
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	7	0.21
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.21
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.21
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	13	0.21
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	11	0.21
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	2	0.21
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	5	0.21
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	3	0.21
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	6	0.21
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	11	0.21
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	13	0.21
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	6	0.21
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	6	0.21
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	14	0.21
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	9	0.21
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	9	0.21
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	9	0.21
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	3	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	6	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	6	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	13	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	13	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	15	0.21
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	15	0.21
(1,1190)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.21
(1,1190)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.21
(1,1190)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	14	0.21
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	14	0.21
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	14	0.21
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	1	0.21
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB2	8	0.21
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB3	8	0.21
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	1	0.21
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	1	0.21
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	1	0.21
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	1	0.21
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	1	0.21
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	1	0.21
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	9	0.21
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	15	0.21
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	15	0.21
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	15	0.21
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	8	0.21
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	8	0.21
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	15	0.21
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	15	0.21
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	1	0.21
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	14	0.21
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	14	0.21
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	10	0.21
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	10	0.21
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	7	0.21
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	7	0.21
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.21
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.21
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	13	0.21
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	11	0.21
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	2	0.21
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	5	0.21
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	3	0.21
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	6	0.21
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	11	0.21
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	13	0.21
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	6	0.21
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	6	0.21
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	14	0.21
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	9	0.21
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	9	0.21
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	3	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	6	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	6	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	13	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	13	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	15	0.21
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	15	0.21
(1,777)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.21
(1,777)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.21
(1,777)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.21
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	14	0.21
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	14	0.21
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	14	0.21
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	1	0.21
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB2	8	0.21
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB3	8	0.21
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	1	0.21
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	1	0.21
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	1	0.21
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	1	0.21
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	1	0.21
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	1	0.21
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	9	0.21
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	15	0.21
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	15	0.21
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	15	0.21
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	8	0.21
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	8	0.21
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	15	0.21
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	15	0.21
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	1	0.21
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	14	0.21
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	14	0.21
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	10	0.21
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	10	0.21
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	7	0.21
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	7	0.21
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.21
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.21
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	13	0.21
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	2	0.21
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	5	0.21
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	3	0.21
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	6	0.21
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	11	0.21
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	13	0.21
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	6	0.21
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	6	0.21
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	14	0.21
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	9	0.21
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	9	0.21
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	9	0.21
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	3	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	6	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	6	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	13	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	13	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	15	0.21
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	15	0.21
(1,364)	1:303:A:VAL:HG21	1:300:A:VAL:H	4	0.21
(1,364)	1:303:A:VAL:HG22	1:300:A:VAL:H	4	0.21
(1,364)	1:303:A:VAL:HG23	1:300:A:VAL:H	4	0.21
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	14	0.21
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	14	0.21
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	14	0.21
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	1	0.21
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB2	8	0.21
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB3	8	0.21
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	1	0.21
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	1	0.21
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	1	0.21
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	1	0.21
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	1	0.21
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	1	0.21
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	9	0.21
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	15	0.21
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	15	0.21
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	15	0.21
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	8	0.21
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	8	0.21
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	15	0.21
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	1	0.21
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	14	0.21
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	14	0.21
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	10	0.21
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	10	0.21
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	7	0.21
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	7	0.21
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	12	0.21
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	12	0.21
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	13	0.21
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	11	0.21
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	2	0.21
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	5	0.21
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	3	0.21
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	6	0.21
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	11	0.21
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	13	0.21
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	6	0.21
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	6	0.21
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	14	0.21
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	9	0.21
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	9	0.21
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	9	0.21
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	3	0.21
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD11	13	0.2
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD12	13	0.2
(1,2206)	1:263:A:TYR:H	1:293:A:ILE:HD13	13	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	7	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	7	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	7	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	7	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	7	0.2
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	7	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	7	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	7	0.2
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	7	0.2
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	7	0.2
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	7	0.2
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	7	0.2
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	14	0.2
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	14	0.2
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	14	0.2
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	14	0.2
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	14	0.2
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.2
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.2
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.2
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.2
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.2
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.2
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	13	0.2
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	13	0.2
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	13	0.2
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	13	0.2
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	13	0.2
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	13	0.2
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	3	0.2
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	3	0.2
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	3	0.2
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	3	0.2
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	3	0.2
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	3	0.2
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.2
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.2
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.2
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.2
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.2
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.2
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	4	0.2
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	4	0.2
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	4	0.2
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	4	0.2
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	4	0.2
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	4	0.2
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD11	13	0.2
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD12	13	0.2
(1,2177)	1:263:A:TYR:H	1:293:A:ILE:HD13	13	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	7	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	7	0.2
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	7	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	7	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	7	0.2
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	7	0.2
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	7	0.2
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	7	0.2
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	7	0.2
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	7	0.2
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	7	0.2
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	14	0.2
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	14	0.2
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	14	0.2
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	14	0.2
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	14	0.2
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	14	0.2
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.2
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.2
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.2
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.2
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.2
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.2
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	13	0.2
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	13	0.2
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	13	0.2
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	13	0.2
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	13	0.2
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	13	0.2
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	3	0.2
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	3	0.2
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	3	0.2
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	3	0.2
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	3	0.2
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	3	0.2
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.2
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.2
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.2
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.2
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.2
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.2
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	4	0.2
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	4	0.2
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	4	0.2
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	4	0.2
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	4	0.2
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD11	13	0.2
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD12	13	0.2
(1,2148)	1:263:A:TYR:H	1:293:A:ILE:HD13	13	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	7	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	7	0.2
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	7	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	7	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	7	0.2
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	7	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	7	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	7	0.2
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	7	0.2
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	7	0.2
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	7	0.2
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	7	0.2
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	14	0.2
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	14	0.2
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	14	0.2
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	14	0.2
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	14	0.2
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	14	0.2
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.2
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.2
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.2
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.2
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.2
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.2
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	13	0.2
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	13	0.2
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	13	0.2
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	13	0.2
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	13	0.2
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	13	0.2
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	3	0.2
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	3	0.2
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	3	0.2
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	3	0.2
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	3	0.2
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	3	0.2
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.2
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.2
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.2
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.2
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.2
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	4	0.2
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	4	0.2
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	4	0.2
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	4	0.2
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	4	0.2
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	4	0.2
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD11	13	0.2
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD12	13	0.2
(1,2119)	1:263:A:TYR:H	1:293:A:ILE:HD13	13	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	7	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	7	0.2
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	7	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	7	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	7	0.2
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	7	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	7	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	7	0.2
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	7	0.2
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	7	0.2
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	7	0.2
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	7	0.2
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	14	0.2
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	14	0.2
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	14	0.2
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	14	0.2
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	14	0.2
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	14	0.2
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.2
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.2
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.2
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.2
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.2
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.2
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	13	0.2
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	13	0.2
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	13	0.2
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	13	0.2
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	13	0.2
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	3	0.2
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	3	0.2
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	3	0.2
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	3	0.2
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	3	0.2
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	3	0.2
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.2
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.2
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.2
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.2
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.2
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.2
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	4	0.2
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	4	0.2
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	4	0.2
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	4	0.2
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	4	0.2
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	4	0.2
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD11	13	0.2
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD12	13	0.2
(1,2090)	1:263:A:TYR:H	1:293:A:ILE:HD13	13	0.2
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	7	0.2
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	7	0.2
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	7	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	7	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	7	0.2
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	7	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	7	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	7	0.2
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	7	0.2
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	7	0.2
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	7	0.2
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	7	0.2
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	14	0.2
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	14	0.2
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	14	0.2
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	14	0.2
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	14	0.2
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	14	0.2
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	14	0.2
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	14	0.2
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	14	0.2
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	14	0.2
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	14	0.2
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	13	0.2
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	13	0.2
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	13	0.2
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	13	0.2
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	13	0.2
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	13	0.2
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	3	0.2
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	3	0.2
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	3	0.2
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	3	0.2
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	3	0.2
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	3	0.2
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	11	0.2
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	11	0.2
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	11	0.2
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	11	0.2
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	11	0.2
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	11	0.2
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	4	0.2
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	4	0.2
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	4	0.2
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	4	0.2
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	4	0.2
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	4	0.2
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	5	0.2
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	5	0.2
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	5	0.2
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	5	0.2
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	5	0.2
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	5	0.2
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	7	0.2
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	7	0.2
(1,2030)	1:307:A:ARG:H	1:309:A:GLN:H	8	0.2
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	1	0.2
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	1	0.2
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	1	0.2
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.2
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	3	0.2
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:268:A:PHE:H	1:265:A:GLN:HB3	7	0.2
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	6	0.2
(1,1946)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	6	0.2
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	6	0.2
(1,1946)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	6	0.2
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	6	0.2
(1,1946)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	6	0.2
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB2	6	0.2
(1,1857)	1:238:A:SER:H	1:236:A:GLU:HB3	6	0.2
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	10	0.2
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	10	0.2
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	2	0.2
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	12	0.2
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB2	14	0.2
(1,1847)	1:235:A:TRP:H	1:234:A:TRP:HB3	14	0.2
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	4	0.2
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	4	0.2
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	4	0.2
(1,1821)	1:228:A:LEU:HD11	1:225:A:GLN:HA	4	0.2
(1,1821)	1:228:A:LEU:HD12	1:225:A:GLN:HA	4	0.2
(1,1821)	1:228:A:LEU:HD13	1:225:A:GLN:HA	4	0.2
(1,1821)	1:228:A:LEU:HD21	1:225:A:GLN:HA	4	0.2
(1,1821)	1:228:A:LEU:HD22	1:225:A:GLN:HA	4	0.2
(1,1821)	1:228:A:LEU:HD23	1:225:A:GLN:HA	4	0.2
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	2	0.2
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	10	0.2
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	10	0.2
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	10	0.2
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	10	0.2
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	10	0.2
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	10	0.2
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	4	0.2
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	10	0.2
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	15	0.2
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	6	0.2
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	6	0.2
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	6	0.2
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	6	0.2
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	6	0.2
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	6	0.2
(1,1754)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.2
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	14	0.2
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	15	0.2
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	1	0.2
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	1	0.2
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB2	2	0.2
(1,1724)	1:199:A:ALA:H	1:198:A:ASP:HB3	2	0.2
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	10	0.2
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	13	0.2
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	4	0.2
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	14	0.2
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	1	0.2
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	5	0.2
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	5	0.2
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	5	0.2
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	5	0.2
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	5	0.2
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	5	0.2
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	7	0.2
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	7	0.2
(1,1617)	1:307:A:ARG:H	1:309:A:GLN:H	8	0.2
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	1	0.2
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	1	0.2
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	1	0.2
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.2
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	3	0.2
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB2	7	0.2
(1,1545)	1:268:A:PHE:H	1:265:A:GLN:HB3	7	0.2
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	6	0.2
(1,1533)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	6	0.2
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	6	0.2
(1,1533)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	6	0.2
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	6	0.2
(1,1533)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	6	0.2
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB2	6	0.2
(1,1444)	1:238:A:SER:H	1:236:A:GLU:HB3	6	0.2
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	10	0.2
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	10	0.2
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	2	0.2
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	12	0.2
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB2	14	0.2
(1,1434)	1:235:A:TRP:H	1:234:A:TRP:HB3	14	0.2
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	4	0.2
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	4	0.2
(1,1408)	1:228:A:LEU:HD11	1:225:A:GLN:HA	4	0.2
(1,1408)	1:228:A:LEU:HD12	1:225:A:GLN:HA	4	0.2
(1,1408)	1:228:A:LEU:HD13	1:225:A:GLN:HA	4	0.2
(1,1408)	1:228:A:LEU:HD21	1:225:A:GLN:HA	4	0.2
(1,1408)	1:228:A:LEU:HD22	1:225:A:GLN:HA	4	0.2
(1,1408)	1:228:A:LEU:HD23	1:225:A:GLN:HA	4	0.2
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	2	0.2
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	10	0.2
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	10	0.2
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	10	0.2
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	10	0.2
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	10	0.2
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	10	0.2
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	4	0.2
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	10	0.2
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	15	0.2
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	6	0.2
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	6	0.2
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	6	0.2
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	6	0.2
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	6	0.2
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	6	0.2
(1,1341)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.2
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	7	0.2
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	14	0.2
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	15	0.2
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	1	0.2
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	1	0.2
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB2	2	0.2
(1,1311)	1:199:A:ALA:H	1:198:A:ASP:HB3	2	0.2
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	10	0.2
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	13	0.2
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	4	0.2
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	14	0.2
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	1	0.2
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	5	0.2
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	5	0.2
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	5	0.2
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	5	0.2
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	5	0.2
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	7	0.2
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	7	0.2
(1,1204)	1:307:A:ARG:H	1:309:A:GLN:H	8	0.2
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	1	0.2
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	1	0.2
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	1	0.2
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.2
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	3	0.2
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB2	7	0.2
(1,1132)	1:268:A:PHE:H	1:265:A:GLN:HB3	7	0.2
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	6	0.2
(1,1120)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	6	0.2
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	6	0.2
(1,1120)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	6	0.2
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	6	0.2
(1,1120)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	6	0.2
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB2	6	0.2
(1,1031)	1:238:A:SER:H	1:236:A:GLU:HB3	6	0.2
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	10	0.2
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	10	0.2
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	2	0.2
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	12	0.2
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB2	14	0.2
(1,1021)	1:235:A:TRP:H	1:234:A:TRP:HB3	14	0.2
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	4	0.2
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	4	0.2
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	4	0.2
(1,995)	1:228:A:LEU:HD11	1:225:A:GLN:HA	4	0.2
(1,995)	1:228:A:LEU:HD12	1:225:A:GLN:HA	4	0.2
(1,995)	1:228:A:LEU:HD13	1:225:A:GLN:HA	4	0.2
(1,995)	1:228:A:LEU:HD21	1:225:A:GLN:HA	4	0.2
(1,995)	1:228:A:LEU:HD22	1:225:A:GLN:HA	4	0.2
(1,995)	1:228:A:LEU:HD23	1:225:A:GLN:HA	4	0.2
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	2	0.2
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	10	0.2
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	10	0.2
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	10	0.2
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	10	0.2
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	10	0.2
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	10	0.2
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	10	0.2
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	15	0.2
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	6	0.2
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	6	0.2
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	6	0.2
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	6	0.2
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	6	0.2
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	6	0.2
(1,928)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.2
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	7	0.2
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	14	0.2
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	15	0.2
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	1	0.2
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	1	0.2
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB2	2	0.2
(1,898)	1:199:A:ALA:H	1:198:A:ASP:HB3	2	0.2
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	10	0.2
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	13	0.2
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	4	0.2
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	14	0.2
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	1	0.2
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	5	0.2
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	5	0.2
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	5	0.2
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	5	0.2
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	5	0.2
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	5	0.2
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	7	0.2
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	7	0.2
(1,791)	1:307:A:ARG:H	1:309:A:GLN:H	8	0.2
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	1	0.2
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	1	0.2
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	1	0.2
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.2
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	3	0.2
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB2	7	0.2
(1,719)	1:268:A:PHE:H	1:265:A:GLN:HB3	7	0.2
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	6	0.2
(1,707)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	6	0.2
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	6	0.2
(1,707)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	6	0.2
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	6	0.2
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB2	6	0.2
(1,618)	1:238:A:SER:H	1:236:A:GLU:HB3	6	0.2
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	10	0.2
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	10	0.2
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	2	0.2
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	12	0.2
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB2	14	0.2
(1,608)	1:235:A:TRP:H	1:234:A:TRP:HB3	14	0.2
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	4	0.2
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	4	0.2
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	4	0.2
(1,582)	1:228:A:LEU:HD11	1:225:A:GLN:HA	4	0.2
(1,582)	1:228:A:LEU:HD12	1:225:A:GLN:HA	4	0.2
(1,582)	1:228:A:LEU:HD13	1:225:A:GLN:HA	4	0.2
(1,582)	1:228:A:LEU:HD21	1:225:A:GLN:HA	4	0.2
(1,582)	1:228:A:LEU:HD22	1:225:A:GLN:HA	4	0.2
(1,582)	1:228:A:LEU:HD23	1:225:A:GLN:HA	4	0.2
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	2	0.2
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	10	0.2
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	10	0.2
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	10	0.2
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	10	0.2
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	10	0.2
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	10	0.2
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	4	0.2
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	10	0.2
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	15	0.2
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	6	0.2
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	6	0.2
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	6	0.2
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	6	0.2
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	6	0.2
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	6	0.2
(1,515)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.2
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	7	0.2
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	14	0.2
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	15	0.2
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	1	0.2
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	1	0.2
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB2	2	0.2
(1,485)	1:199:A:ALA:H	1:198:A:ASP:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	10	0.2
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	13	0.2
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	4	0.2
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	14	0.2
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	1	0.2
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	5	0.2
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	5	0.2
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	5	0.2
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	5	0.2
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	5	0.2
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	5	0.2
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	7	0.2
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	7	0.2
(1,378)	1:307:A:ARG:H	1:309:A:GLN:H	8	0.2
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	1	0.2
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	1	0.2
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	1	0.2
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	10	0.2
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	3	0.2
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB2	7	0.2
(1,306)	1:268:A:PHE:H	1:265:A:GLN:HB3	7	0.2
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD1	6	0.2
(1,294)	1:262:A:LEU:HD11	1:258:A:PHE:HD2	6	0.2
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD1	6	0.2
(1,294)	1:262:A:LEU:HD12	1:258:A:PHE:HD2	6	0.2
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD1	6	0.2
(1,294)	1:262:A:LEU:HD13	1:258:A:PHE:HD2	6	0.2
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB2	6	0.2
(1,205)	1:238:A:SER:H	1:236:A:GLU:HB3	6	0.2
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	10	0.2
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	10	0.2
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	2	0.2
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	12	0.2
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB2	14	0.2
(1,195)	1:235:A:TRP:H	1:234:A:TRP:HB3	14	0.2
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	4	0.2
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	4	0.2
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	4	0.2
(1,169)	1:228:A:LEU:HD11	1:225:A:GLN:HA	4	0.2
(1,169)	1:228:A:LEU:HD12	1:225:A:GLN:HA	4	0.2
(1,169)	1:228:A:LEU:HD13	1:225:A:GLN:HA	4	0.2
(1,169)	1:228:A:LEU:HD21	1:225:A:GLN:HA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:228:A:LEU:HD22	1:225:A:GLN:HA	4	0.2
(1,169)	1:228:A:LEU:HD23	1:225:A:GLN:HA	4	0.2
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	2	0.2
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	10	0.2
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	10	0.2
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	10	0.2
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	10	0.2
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	10	0.2
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	10	0.2
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	4	0.2
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	10	0.2
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	15	0.2
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	6	0.2
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	6	0.2
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	6	0.2
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	6	0.2
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	6	0.2
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	6	0.2
(1,102)	1:216:A:TRP:H	1:213:A:ARG:HA	15	0.2
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	7	0.2
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	14	0.2
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	15	0.2
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	1	0.2
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	1	0.2
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB2	2	0.2
(1,72)	1:199:A:ALA:H	1:198:A:ASP:HB3	2	0.2
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	10	0.2
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	13	0.2
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	4	0.2
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	14	0.2
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	1	0.2
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	3	0.19
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	3	0.19
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	3	0.19
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	3	0.19
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	3	0.19
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	3	0.19
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	3	0.19
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	3	0.19
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	3	0.19
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	4	0.19
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	15	0.19
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	15	0.19
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	15	0.19
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	15	0.19
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	15	0.19
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	15	0.19
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	8	0.19
(1,2196)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	8	0.19
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	8	0.19
(1,2196)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	8	0.19
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	8	0.19
(1,2196)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	8	0.19
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	4	0.19
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	4	0.19
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	4	0.19
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	4	0.19
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	4	0.19
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	4	0.19
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	3	0.19
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	3	0.19
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	3	0.19
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	3	0.19
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	3	0.19
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	3	0.19
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	3	0.19
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	3	0.19
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	3	0.19
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	3	0.19
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	3	0.19
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	3	0.19
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	3	0.19
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	3	0.19
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	3	0.19
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	4	0.19
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	13	0.19
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	15	0.19
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	15	0.19
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	15	0.19
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	15	0.19
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	15	0.19
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	15	0.19
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2167)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	8	0.19
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	8	0.19
(1,2167)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	8	0.19
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	8	0.19
(1,2167)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	8	0.19
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	4	0.19
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	4	0.19
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	4	0.19
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	4	0.19
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	4	0.19
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	4	0.19
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	3	0.19
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	3	0.19
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	3	0.19
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	3	0.19
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	3	0.19
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	3	0.19
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	3	0.19
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	3	0.19
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	3	0.19
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	3	0.19
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	3	0.19
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	3	0.19
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	3	0.19
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	3	0.19
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	3	0.19
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	4	0.19
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	13	0.19
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	15	0.19
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	15	0.19
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	15	0.19
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	15	0.19
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	15	0.19
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	15	0.19
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	8	0.19
(1,2138)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	8	0.19
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	8	0.19
(1,2138)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	8	0.19
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	8	0.19
(1,2138)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	8	0.19
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	4	0.19
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	4	0.19
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	4	0.19
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	4	0.19
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	4	0.19
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	3	0.19
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	3	0.19
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	3	0.19
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	3	0.19
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	3	0.19
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	3	0.19
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	3	0.19
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	3	0.19
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	3	0.19
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	3	0.19
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	3	0.19
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	3	0.19
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	3	0.19
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	3	0.19
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	3	0.19
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	4	0.19
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	13	0.19
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	15	0.19
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	15	0.19
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	15	0.19
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	15	0.19
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	15	0.19
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	15	0.19
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	8	0.19
(1,2109)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	8	0.19
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	8	0.19
(1,2109)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	8	0.19
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	8	0.19
(1,2109)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	8	0.19
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	4	0.19
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	4	0.19
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	4	0.19
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	4	0.19
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	4	0.19
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	4	0.19
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	3	0.19
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	3	0.19
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	3	0.19
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	3	0.19
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	3	0.19
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	3	0.19
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	3	0.19
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	3	0.19
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	3	0.19
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	3	0.19
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	3	0.19
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	3	0.19
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	3	0.19
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	3	0.19
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	4	0.19
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	13	0.19
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	15	0.19
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	15	0.19
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	15	0.19
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	15	0.19
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	15	0.19
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	15	0.19
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB2	8	0.19
(1,2080)	1:228:A:LEU:HD21	1:244:A:PRO:HB3	8	0.19
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB2	8	0.19
(1,2080)	1:228:A:LEU:HD22	1:244:A:PRO:HB3	8	0.19
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB2	8	0.19
(1,2080)	1:228:A:LEU:HD23	1:244:A:PRO:HB3	8	0.19
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	4	0.19
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	4	0.19
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	4	0.19
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	4	0.19
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	4	0.19
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	4	0.19
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	3	0.19
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	3	0.19
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	3	0.19
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	3	0.19
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	3	0.19
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	3	0.19
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	7	0.19
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	13	0.19
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	9	0.19
(1,1868)	1:240:A:ASP:H	1:240:A:ASP:HB2	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	3	0.19
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	3	0.19
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	11	0.19
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	11	0.19
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	11	0.19
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	11	0.19
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	11	0.19
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	11	0.19
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	11	0.19
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.19
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	3	0.19
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	3	0.19
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	3	0.19
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	3	0.19
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	13	0.19
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	13	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	1	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	1	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	1	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	1	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	1	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	1	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	9	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	9	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	9	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	9	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	9	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	9	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	11	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	11	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	11	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	11	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	11	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	11	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	13	0.19
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	13	0.19
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	13	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	13	0.19
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	13	0.19
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	10	0.19
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG2	4	0.19
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG3	4	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	5	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	5	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	5	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	14	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	14	0.19
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	14	0.19
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	10	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	12	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	12	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	12	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	12	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	12	0.19
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	12	0.19
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	5	0.19
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	5	0.19
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	5	0.19
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	5	0.19
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	5	0.19
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	5	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	9	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	9	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	9	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	9	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	9	0.19
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	9	0.19
(1,1666)	1:184:A:LEU:HD21	1:181:A:LYS:HA	8	0.19
(1,1666)	1:184:A:LEU:HD22	1:181:A:LYS:HA	8	0.19
(1,1666)	1:184:A:LEU:HD23	1:181:A:LYS:HA	8	0.19
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	7	0.19
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	13	0.19
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	9	0.19
(1,1455)	1:240:A:ASP:H	1:240:A:ASP:HB2	2	0.19
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	3	0.19
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	3	0.19
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	11	0.19
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	11	0.19
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	11	0.19
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	11	0.19
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	11	0.19
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	11	0.19
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.19
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	3	0.19
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	3	0.19
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	3	0.19
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	3	0.19
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	13	0.19
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	13	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	1	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	1	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	1	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	1	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	1	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	1	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	9	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	9	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	9	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	9	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	9	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	9	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	11	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	11	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	11	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	11	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	11	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	11	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	13	0.19
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	13	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	13	0.19
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	13	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	13	0.19
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	13	0.19
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG2	4	0.19
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG3	4	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	5	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	5	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	5	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	14	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	14	0.19
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	14	0.19
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	10	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	12	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	12	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	12	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	12	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	12	0.19
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	12	0.19
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	5	0.19
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	5	0.19
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	5	0.19
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	5	0.19
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	5	0.19
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	5	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	9	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	9	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	9	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	9	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	9	0.19
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	9	0.19
(1,1253)	1:184:A:LEU:HD21	1:181:A:LYS:HA	8	0.19
(1,1253)	1:184:A:LEU:HD22	1:181:A:LYS:HA	8	0.19
(1,1253)	1:184:A:LEU:HD23	1:181:A:LYS:HA	8	0.19
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	7	0.19
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	13	0.19
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	9	0.19
(1,1042)	1:240:A:ASP:H	1:240:A:ASP:HB2	2	0.19
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	3	0.19
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	3	0.19
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	11	0.19
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	11	0.19
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	11	0.19
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	11	0.19
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	11	0.19
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	11	0.19
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.19
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	3	0.19
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	3	0.19
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	3	0.19
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	3	0.19
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	13	0.19
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	13	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	1	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	1	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	1	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	1	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	1	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	1	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	9	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	9	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	9	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	9	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	9	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	9	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	11	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	11	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	11	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	11	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	11	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	11	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	13	0.19
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	13	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	13	0.19
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	13	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	13	0.19
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	13	0.19
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	10	0.19
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG2	4	0.19
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG3	4	0.19
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	5	0.19
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	5	0.19
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	14	0.19
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	14	0.19
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	14	0.19
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	10	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	12	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	12	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	12	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	12	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	12	0.19
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	12	0.19
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	5	0.19
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	5	0.19
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	5	0.19
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	5	0.19
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	5	0.19
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	5	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	9	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	9	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	9	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	9	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	9	0.19
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	9	0.19
(1,840)	1:184:A:LEU:HD21	1:181:A:LYS:HA	8	0.19
(1,840)	1:184:A:LEU:HD22	1:181:A:LYS:HA	8	0.19
(1,840)	1:184:A:LEU:HD23	1:181:A:LYS:HA	8	0.19
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	7	0.19
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	13	0.19
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	9	0.19
(1,629)	1:240:A:ASP:H	1:240:A:ASP:HB2	2	0.19
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	3	0.19
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	3	0.19
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	11	0.19
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	11	0.19
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	11	0.19
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	11	0.19
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	11	0.19
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	11	0.19
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.19
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	3	0.19
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	3	0.19
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	3	0.19
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	3	0.19
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	13	0.19
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	13	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	1	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	1	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	1	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	1	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	1	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	1	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	9	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	9	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	9	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	9	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	9	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	9	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	11	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	11	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	11	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	11	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	11	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	11	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	13	0.19
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	13	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	13	0.19
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	13	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	13	0.19
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	13	0.19
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	10	0.19
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG2	4	0.19
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG3	4	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	5	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	5	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	5	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	14	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	14	0.19
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	10	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	12	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	12	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	12	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	12	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	12	0.19
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	12	0.19
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	5	0.19
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	5	0.19
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	5	0.19
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	5	0.19
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	5	0.19
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	5	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	9	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	9	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	9	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	9	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	9	0.19
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	9	0.19
(1,427)	1:184:A:LEU:HD21	1:181:A:LYS:HA	8	0.19
(1,427)	1:184:A:LEU:HD22	1:181:A:LYS:HA	8	0.19
(1,427)	1:184:A:LEU:HD23	1:181:A:LYS:HA	8	0.19
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	7	0.19
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	13	0.19
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	9	0.19
(1,216)	1:240:A:ASP:H	1:240:A:ASP:HB2	2	0.19
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	3	0.19
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	3	0.19
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	11	0.19
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	11	0.19
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	11	0.19
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	11	0.19
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	11	0.19
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	11	0.19
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	11	0.19
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	10	0.19
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	3	0.19
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	3	0.19
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	3	0.19
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	13	0.19
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	13	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	1	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	1	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	1	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	1	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	1	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	1	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	9	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	9	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	9	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	9	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	9	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	9	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	11	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	11	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	11	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	11	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	11	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	11	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	13	0.19
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	13	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	13	0.19
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	13	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	13	0.19
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	13	0.19
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	10	0.19
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG2	4	0.19
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG3	4	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	5	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	5	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	5	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	14	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	14	0.19
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	14	0.19
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	10	0.19
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	12	0.19
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	12	0.19
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	12	0.19
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	12	0.19
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	12	0.19
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	5	0.19
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	5	0.19
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	5	0.19
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	5	0.19
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	5	0.19
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	5	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	9	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	9	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	9	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	9	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	9	0.19
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	9	0.19
(1,14)	1:184:A:LEU:HD21	1:181:A:LYS:HA	8	0.19
(1,14)	1:184:A:LEU:HD22	1:181:A:LYS:HA	8	0.19
(1,14)	1:184:A:LEU:HD23	1:181:A:LYS:HA	8	0.19
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	8	0.18
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	8	0.18
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	8	0.18
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	8	0.18
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	8	0.18
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	8	0.18
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	6	0.18
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	14	0.18
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	8	0.18
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	8	0.18
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	8	0.18
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	15	0.18
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	15	0.18
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	15	0.18
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	15	0.18
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	15	0.18
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	15	0.18
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	12	0.18
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	12	0.18
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	12	0.18
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	12	0.18
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	12	0.18
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	12	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	6	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	6	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	6	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	6	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	6	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	11	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	11	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	11	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	11	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	11	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	11	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	15	0.18
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	15	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	15	0.18
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	15	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	15	0.18
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	15	0.18
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	8	0.18
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	8	0.18
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	8	0.18
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	8	0.18
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	8	0.18
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	8	0.18
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	6	0.18
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	14	0.18
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	8	0.18
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	8	0.18
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	8	0.18
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	15	0.18
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	15	0.18
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	15	0.18
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	15	0.18
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	15	0.18
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	15	0.18
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	12	0.18
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	12	0.18
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	12	0.18
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	12	0.18
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	12	0.18
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	12	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	6	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	6	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	6	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	6	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	6	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	11	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	11	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	11	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	11	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	11	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	11	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	15	0.18
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	15	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	15	0.18
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	15	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	15	0.18
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	15	0.18
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	8	0.18
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	8	0.18
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	8	0.18
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	8	0.18
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	8	0.18
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	8	0.18
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	6	0.18
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	14	0.18
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	8	0.18
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	8	0.18
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	8	0.18
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	15	0.18
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	15	0.18
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	15	0.18
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	15	0.18
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	15	0.18
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	15	0.18
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	12	0.18
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	12	0.18
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	12	0.18
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	12	0.18
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	12	0.18
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	12	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	6	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	6	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	6	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	6	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	6	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	11	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	11	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	11	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	11	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	11	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	11	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	15	0.18
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	15	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	15	0.18
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	15	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	15	0.18
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	15	0.18
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	8	0.18
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	8	0.18
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	8	0.18
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	8	0.18
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	8	0.18
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	8	0.18
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	6	0.18
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	14	0.18
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	8	0.18
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	8	0.18
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	8	0.18
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	15	0.18
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	15	0.18
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	15	0.18
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	15	0.18
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	15	0.18
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	15	0.18
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	12	0.18
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	12	0.18
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	12	0.18
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	12	0.18
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	12	0.18
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	12	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	6	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	6	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	6	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	6	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	6	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	11	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	11	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	11	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	11	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	11	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	11	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	15	0.18
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	15	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	15	0.18
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	15	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	15	0.18
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	15	0.18
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	8	0.18
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	8	0.18
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	8	0.18
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	8	0.18
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	8	0.18
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	8	0.18
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	6	0.18
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	14	0.18
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	8	0.18
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	8	0.18
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	8	0.18
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	15	0.18
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	15	0.18
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	15	0.18
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	15	0.18
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	15	0.18
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	15	0.18
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	12	0.18
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	12	0.18
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	12	0.18
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	12	0.18
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	12	0.18
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	12	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	6	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	6	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	6	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	6	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	6	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	11	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	11	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	11	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	11	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	11	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	11	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	15	0.18
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	15	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	15	0.18
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	15	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	15	0.18
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	15	0.18
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	9	0.18
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	9	0.18
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	9	0.18
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	9	0.18
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	9	0.18
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	9	0.18
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	5	0.18
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	15	0.18
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	6	0.18
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	4	0.18
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	10	0.18
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	3	0.18
(1,1972)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	3	0.18
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	3	0.18
(1,1972)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	3	0.18
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	3	0.18
(1,1972)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	3	0.18
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	5	0.18
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	5	0.18
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	3	0.18
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	5	0.18
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	2	0.18
(1,1899)	1:243:A:GLU:H	1:243:A:GLU:HG3	5	0.18
(1,1884)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.18
(1,1884)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.18
(1,1884)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.18
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	15	0.18
(1,1865)	1:240:A:ASP:H	1:239:A:TRP:HB2	5	0.18
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	1	0.18
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	5	0.18
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	5	0.18
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	9	0.18
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	9	0.18
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	5	0.18
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	5	0.18
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	5	0.18
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	5	0.18
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	5	0.18
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	5	0.18
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	5	0.18
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	1	0.18
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	7	0.18
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.18
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.18
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.18
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.18
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.18
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.18
(1,1801)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.18
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB2	8	0.18
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB3	8	0.18
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.18
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.18
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.18
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	2	0.18
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	2	0.18
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	12	0.18
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	12	0.18
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	2	0.18
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	13	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	12	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	12	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	12	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.18
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.18
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	2	0.18
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	2	0.18
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	2	0.18
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	14	0.18
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	14	0.18
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	14	0.18
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	14	0.18
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	14	0.18
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	14	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	1	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	1	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	1	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	1	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	1	0.18
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	1	0.18
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	15	0.18
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	15	0.18
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	15	0.18
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	8	0.18
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	7	0.18
(1,1656)	1:179:A:GLU:H	1:178:A:ARG:H	2	0.18
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	13	0.18
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	13	0.18
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	12	0.18
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	12	0.18
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.18
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.18
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	9	0.18
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	9	0.18
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	9	0.18
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	9	0.18
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	9	0.18
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	9	0.18
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	5	0.18
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	6	0.18
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	4	0.18
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	10	0.18
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	3	0.18
(1,1559)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	3	0.18
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	3	0.18
(1,1559)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	3	0.18
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	3	0.18
(1,1559)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	3	0.18
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	5	0.18
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	5	0.18
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	3	0.18
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	5	0.18
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	2	0.18
(1,1486)	1:243:A:GLU:H	1:243:A:GLU:HG3	5	0.18
(1,1471)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.18
(1,1471)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.18
(1,1471)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.18
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	15	0.18
(1,1452)	1:240:A:ASP:H	1:239:A:TRP:HB2	5	0.18
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	1	0.18
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	1	0.18
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	5	0.18
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	5	0.18
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	9	0.18
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	9	0.18
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	5	0.18
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	5	0.18
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	5	0.18
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	5	0.18
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	5	0.18
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	5	0.18
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	5	0.18
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	1	0.18
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	7	0.18
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.18
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.18
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.18
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.18
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.18
(1,1388)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.18
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB2	8	0.18
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB3	8	0.18
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.18
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.18
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.18
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	2	0.18
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	2	0.18
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	12	0.18
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	12	0.18
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	2	0.18
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	4	0.18
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	13	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	12	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	12	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	12	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.18
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.18
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	2	0.18
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	2	0.18
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	2	0.18
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	14	0.18
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	14	0.18
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	14	0.18
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	14	0.18
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	14	0.18
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	14	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	1	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	1	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	1	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	1	0.18
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	1	0.18
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	15	0.18
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	15	0.18
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	15	0.18
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	8	0.18
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	7	0.18
(1,1243)	1:179:A:GLU:H	1:178:A:ARG:H	2	0.18
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	13	0.18
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	13	0.18
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	12	0.18
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	12	0.18
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.18
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.18
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	9	0.18
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	9	0.18
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	9	0.18
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	9	0.18
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	9	0.18
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	9	0.18
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	5	0.18
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	15	0.18
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	6	0.18
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	4	0.18
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	10	0.18
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	3	0.18
(1,1146)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	3	0.18
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	3	0.18
(1,1146)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	3	0.18
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	3	0.18
(1,1146)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	3	0.18
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	5	0.18
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	5	0.18
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	3	0.18
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	5	0.18
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	2	0.18
(1,1073)	1:243:A:GLU:H	1:243:A:GLU:HG3	5	0.18
(1,1058)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.18
(1,1058)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.18
(1,1058)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.18
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	15	0.18
(1,1039)	1:240:A:ASP:H	1:239:A:TRP:HB2	5	0.18
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	1	0.18
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	5	0.18
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	5	0.18
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	9	0.18
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	9	0.18
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	5	0.18
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	5	0.18
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	5	0.18
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	5	0.18
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	5	0.18
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	5	0.18
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	5	0.18
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	1	0.18
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	7	0.18
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.18
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.18
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.18
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.18
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.18
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.18
(1,975)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.18
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB2	8	0.18
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB3	8	0.18
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.18
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.18
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.18
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	2	0.18
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	2	0.18
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	12	0.18
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	12	0.18
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	2	0.18
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	13	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	12	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	12	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	12	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.18
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.18
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	2	0.18
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	2	0.18
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	2	0.18
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	14	0.18
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	14	0.18
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	14	0.18
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	14	0.18
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	14	0.18
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	14	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	1	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	1	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	1	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	1	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	1	0.18
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	1	0.18
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	15	0.18
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	15	0.18
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	15	0.18
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	8	0.18
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	7	0.18
(1,830)	1:179:A:GLU:H	1:178:A:ARG:H	2	0.18
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	13	0.18
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	13	0.18
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	12	0.18
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	12	0.18
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.18
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.18
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	9	0.18
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	9	0.18
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	9	0.18
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	9	0.18
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	9	0.18
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	9	0.18
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	5	0.18
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	6	0.18
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	4	0.18
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	10	0.18
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	3	0.18
(1,733)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	3	0.18
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	3	0.18
(1,733)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	3	0.18
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	3	0.18
(1,733)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	3	0.18
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	5	0.18
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	5	0.18
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	3	0.18
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	5	0.18
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	2	0.18
(1,660)	1:243:A:GLU:H	1:243:A:GLU:HG3	5	0.18
(1,645)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.18
(1,645)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.18
(1,645)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.18
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	15	0.18
(1,626)	1:240:A:ASP:H	1:239:A:TRP:HB2	5	0.18
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	1	0.18
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	1	0.18
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	5	0.18
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	5	0.18
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	9	0.18
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	9	0.18
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	5	0.18
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	5	0.18
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	5	0.18
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	5	0.18
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	5	0.18
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	5	0.18
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	5	0.18
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	1	0.18
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	7	0.18
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.18
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.18
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.18
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.18
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.18
(1,562)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.18
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB2	8	0.18
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB3	8	0.18
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.18
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.18
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.18
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	2	0.18
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	2	0.18
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	12	0.18
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	12	0.18
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	2	0.18
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	4	0.18
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	13	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	12	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	12	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	12	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.18
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.18
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	2	0.18
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	2	0.18
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	2	0.18
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	14	0.18
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	14	0.18
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	14	0.18
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	14	0.18
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	14	0.18
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	14	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	1	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	1	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	1	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	1	0.18
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	1	0.18
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	15	0.18
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	15	0.18
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	15	0.18
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	8	0.18
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	7	0.18
(1,417)	1:179:A:GLU:H	1:178:A:ARG:H	2	0.18
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	13	0.18
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	13	0.18
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	12	0.18
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	12	0.18
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.18
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.18
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	9	0.18
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	9	0.18
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	9	0.18
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	9	0.18
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	9	0.18
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	9	0.18
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	5	0.18
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	15	0.18
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	6	0.18
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	4	0.18
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	10	0.18
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD21	3	0.18
(1,320)	1:293:A:ILE:HG21	1:297:A:ASN:HD22	3	0.18
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD21	3	0.18
(1,320)	1:293:A:ILE:HG22	1:297:A:ASN:HD22	3	0.18
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD21	3	0.18
(1,320)	1:293:A:ILE:HG23	1:297:A:ASN:HD22	3	0.18
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	5	0.18
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	5	0.18
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	3	0.18
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	5	0.18
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	2	0.18
(1,247)	1:243:A:GLU:H	1:243:A:GLU:HG3	5	0.18
(1,232)	1:241:A:ILE:HD11	1:240:A:ASP:H	4	0.18
(1,232)	1:241:A:ILE:HD12	1:240:A:ASP:H	4	0.18
(1,232)	1:241:A:ILE:HD13	1:240:A:ASP:H	4	0.18
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	15	0.18
(1,213)	1:240:A:ASP:H	1:239:A:TRP:HB2	5	0.18
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	1	0.18
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	5	0.18
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	5	0.18
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	9	0.18
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	9	0.18
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	5	0.18
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	5	0.18
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	5	0.18
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	5	0.18
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	5	0.18
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	5	0.18
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	5	0.18
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	1	0.18
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	7	0.18
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG11	1:225:A:GLN:HG3	4	0.18
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG12	1:225:A:GLN:HG3	4	0.18
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG13	1:225:A:GLN:HG3	4	0.18
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG21	1:225:A:GLN:HG3	4	0.18
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG22	1:225:A:GLN:HG3	4	0.18
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG2	4	0.18
(1,149)	1:224:A:VAL:HG23	1:225:A:GLN:HG3	4	0.18
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB2	8	0.18
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB3	8	0.18
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	6	0.18
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	6	0.18
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	6	0.18
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	2	0.18
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	2	0.18
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	12	0.18
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	12	0.18
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	2	0.18
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	13	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	12	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	12	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	12	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	15	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	15	0.18
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	15	0.18
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	2	0.18
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	2	0.18
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	2	0.18
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	14	0.18
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	14	0.18
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	14	0.18
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	14	0.18
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	14	0.18
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	14	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	1	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	1	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	1	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	1	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	1	0.18
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	1	0.18
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	15	0.18
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	15	0.18
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	15	0.18
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	8	0.18
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	7	0.18
(1,4)	1:179:A:GLU:H	1:178:A:ARG:H	2	0.18
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	13	0.18
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	13	0.18
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	12	0.18
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	12	0.18
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	15	0.18
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	15	0.18
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	7	0.17
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	7	0.17
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	7	0.17
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	7	0.17
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	7	0.17
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	7	0.17
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	7	0.17
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	7	0.17
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	7	0.17
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	7	0.17
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	7	0.17
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	7	0.17
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	7	0.17
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	7	0.17
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	5	0.17
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	5	0.17
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	5	0.17
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	5	0.17
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	5	0.17
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	5	0.17
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	11	0.17
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	11	0.17
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	11	0.17
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	11	0.17
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	11	0.17
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	11	0.17
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	4	0.17
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	4	0.17
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	4	0.17
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	13	0.17
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	13	0.17
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	13	0.17
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	7	0.17
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	7	0.17
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	7	0.17
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	7	0.17
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	7	0.17
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	7	0.17
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	11	0.17
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	11	0.17
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	11	0.17
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	11	0.17
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	11	0.17
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	11	0.17
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	7	0.17
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	7	0.17
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	7	0.17
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	7	0.17
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	7	0.17
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	5	0.17
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	5	0.17
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	5	0.17
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	5	0.17
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	5	0.17
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	5	0.17
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	11	0.17
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	11	0.17
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	11	0.17
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	11	0.17
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	11	0.17
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	11	0.17
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	4	0.17
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	4	0.17
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	4	0.17
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	13	0.17
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	13	0.17
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	13	0.17
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	7	0.17
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	7	0.17
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	7	0.17
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	7	0.17
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	7	0.17
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	7	0.17
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	11	0.17
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	11	0.17
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	11	0.17
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	11	0.17
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	11	0.17
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	11	0.17
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	7	0.17
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	7	0.17
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	7	0.17
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	7	0.17
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	7	0.17
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	7	0.17
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	5	0.17
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	5	0.17
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	5	0.17
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	5	0.17
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	5	0.17
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	11	0.17
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	11	0.17
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	11	0.17
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	11	0.17
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	11	0.17
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	11	0.17
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	4	0.17
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	4	0.17
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	4	0.17
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	13	0.17
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	13	0.17
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	13	0.17
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	7	0.17
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	7	0.17
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	7	0.17
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	7	0.17
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	7	0.17
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	7	0.17
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	11	0.17
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	11	0.17
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	11	0.17
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	11	0.17
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	11	0.17
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	11	0.17
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	7	0.17
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	7	0.17
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	7	0.17
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	7	0.17
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	7	0.17
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	7	0.17
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	5	0.17
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	5	0.17
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	5	0.17
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	5	0.17
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	5	0.17
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	5	0.17
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	11	0.17
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	11	0.17
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	11	0.17
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	11	0.17
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	11	0.17
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	4	0.17
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	4	0.17
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	4	0.17
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	13	0.17
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	13	0.17
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	13	0.17
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	7	0.17
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	7	0.17
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	7	0.17
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	7	0.17
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	7	0.17
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	7	0.17
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	11	0.17
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	11	0.17
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	11	0.17
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	11	0.17
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	11	0.17
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	11	0.17
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	7	0.17
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	7	0.17
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	7	0.17
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	7	0.17
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	7	0.17
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	7	0.17
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	5	0.17
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	5	0.17
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	5	0.17
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	5	0.17
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	5	0.17
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	5	0.17
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	11	0.17
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	11	0.17
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	11	0.17
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	11	0.17
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	11	0.17
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	11	0.17
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	4	0.17
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	4	0.17
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	4	0.17
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	13	0.17
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	13	0.17
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	7	0.17
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	7	0.17
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	7	0.17
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	7	0.17
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	7	0.17
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	7	0.17
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	11	0.17
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	11	0.17
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	11	0.17
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	11	0.17
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	11	0.17
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	11	0.17
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	7	0.17
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	7	0.17
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	7	0.17
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	7	0.17
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	7	0.17
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	7	0.17
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	6	0.17
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	6	0.17
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	6	0.17
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	6	0.17
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	6	0.17
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	6	0.17
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	13	0.17
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	13	0.17
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	13	0.17
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	13	0.17
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	13	0.17
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	13	0.17
(1,2049)	1:313:A:LEU:H	1:315:A:ASP:H	2	0.17
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	9	0.17
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	9	0.17
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	8	0.17
(1,2002)	1:300:A:VAL:HG11	1:301:A:THR:HB	7	0.17
(1,2002)	1:300:A:VAL:HG12	1:301:A:THR:HB	7	0.17
(1,2002)	1:300:A:VAL:HG13	1:301:A:THR:HB	7	0.17
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	1	0.17
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	3	0.17
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	11	0.17
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	8	0.17
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	1	0.17
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	1	0.17
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	2	0.17
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	4	0.17
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	5	0.17
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	13	0.17
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	13	0.17
(1,1900)	1:243:A:GLU:H	1:243:A:GLU:HG2	11	0.17
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.17
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.17
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	4	0.17
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	3	0.17
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	3	0.17
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	3	0.17
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	8	0.17
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	9	0.17
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	9	0.17
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	9	0.17
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	9	0.17
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	9	0.17
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	9	0.17
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	11	0.17
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	5	0.17
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	5	0.17
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	10	0.17
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	10	0.17
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	6	0.17
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	7	0.17
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	8	0.17
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	1	0.17
(1,1739)	1:213:A:ARG:H	1:212:A:ASP:HB2	12	0.17
(1,1739)	1:213:A:ARG:H	1:212:A:ASP:HB3	12	0.17
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	7	0.17
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	7	0.17
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	7	0.17
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB2	14	0.17
(1,1708)	1:194:A:ALA:H	1:195:A:PRO:HB3	14	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	14	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	14	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	14	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	14	0.17
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	14	0.17
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	1	0.17
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	1	0.17
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	1	0.17
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	1	0.17
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	1	0.17
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	1	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	6	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	6	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	6	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	6	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	6	0.17
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	6	0.17
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	9	0.17
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	9	0.17
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	15	0.17
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	15	0.17
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	1	0.17
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	1	0.17
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	1	0.17
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	3	0.17
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.17
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB2	5	0.17
(1,1655)	1:178:A:ARG:H	1:177:A:SER:HB3	5	0.17
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	6	0.17
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	6	0.17
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	6	0.17
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	6	0.17
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	6	0.17
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	6	0.17
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	13	0.17
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	13	0.17
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	13	0.17
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	13	0.17
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	13	0.17
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	13	0.17
(1,1636)	1:313:A:LEU:H	1:315:A:ASP:H	2	0.17
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	9	0.17
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	9	0.17
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	8	0.17
(1,1589)	1:300:A:VAL:HG11	1:301:A:THR:HB	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:300:A:VAL:HG12	1:301:A:THR:HB	7	0.17
(1,1589)	1:300:A:VAL:HG13	1:301:A:THR:HB	7	0.17
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	1	0.17
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	3	0.17
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	11	0.17
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	8	0.17
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	8	0.17
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	1	0.17
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	1	0.17
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	2	0.17
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	4	0.17
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	5	0.17
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	13	0.17
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	13	0.17
(1,1487)	1:243:A:GLU:H	1:243:A:GLU:HG2	11	0.17
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.17
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.17
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	4	0.17
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	3	0.17
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	3	0.17
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	3	0.17
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	8	0.17
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	9	0.17
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	9	0.17
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	9	0.17
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	9	0.17
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	9	0.17
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	9	0.17
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	11	0.17
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	5	0.17
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	5	0.17
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	10	0.17
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	10	0.17
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	6	0.17
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	7	0.17
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	8	0.17
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	1	0.17
(1,1326)	1:213:A:ARG:H	1:212:A:ASP:HB2	12	0.17
(1,1326)	1:213:A:ARG:H	1:212:A:ASP:HB3	12	0.17
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	7	0.17
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	7	0.17
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB2	14	0.17
(1,1295)	1:194:A:ALA:H	1:195:A:PRO:HB3	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	14	0.17
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	14	0.17
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	1	0.17
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	1	0.17
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	1	0.17
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	1	0.17
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	1	0.17
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	1	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	6	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	6	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	6	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	6	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	6	0.17
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	6	0.17
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	9	0.17
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	9	0.17
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	15	0.17
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	15	0.17
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	1	0.17
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	1	0.17
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	1	0.17
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	3	0.17
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.17
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB2	5	0.17
(1,1242)	1:178:A:ARG:H	1:177:A:SER:HB3	5	0.17
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	6	0.17
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	6	0.17
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	6	0.17
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	6	0.17
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	6	0.17
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	6	0.17
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	13	0.17
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	13	0.17
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	13	0.17
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	13	0.17
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	13	0.17
(1,1223)	1:313:A:LEU:H	1:315:A:ASP:H	2	0.17
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	9	0.17
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	9	0.17
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	8	0.17
(1,1176)	1:300:A:VAL:HG11	1:301:A:THR:HB	7	0.17
(1,1176)	1:300:A:VAL:HG12	1:301:A:THR:HB	7	0.17
(1,1176)	1:300:A:VAL:HG13	1:301:A:THR:HB	7	0.17
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	1	0.17
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	3	0.17
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	11	0.17
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	8	0.17
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	8	0.17
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	1	0.17
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	1	0.17
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	2	0.17
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	4	0.17
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	5	0.17
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	13	0.17
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	13	0.17
(1,1074)	1:243:A:GLU:H	1:243:A:GLU:HG2	11	0.17
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.17
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.17
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	4	0.17
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	3	0.17
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	3	0.17
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	3	0.17
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	8	0.17
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	9	0.17
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	9	0.17
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	9	0.17
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	9	0.17
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	9	0.17
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	9	0.17
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	11	0.17
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	5	0.17
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	5	0.17
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	10	0.17
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	10	0.17
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	6	0.17
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	7	0.17
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	1	0.17
(1,913)	1:213:A:ARG:H	1:212:A:ASP:HB2	12	0.17
(1,913)	1:213:A:ARG:H	1:212:A:ASP:HB3	12	0.17
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	7	0.17
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	7	0.17
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	7	0.17
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB2	14	0.17
(1,882)	1:194:A:ALA:H	1:195:A:PRO:HB3	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	14	0.17
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	14	0.17
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	1	0.17
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	1	0.17
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	1	0.17
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	1	0.17
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	1	0.17
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	1	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	6	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	6	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	6	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	6	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	6	0.17
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	6	0.17
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	9	0.17
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	9	0.17
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	15	0.17
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	15	0.17
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	1	0.17
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	1	0.17
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	1	0.17
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	3	0.17
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.17
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB2	5	0.17
(1,829)	1:178:A:ARG:H	1:177:A:SER:HB3	5	0.17
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	6	0.17
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	6	0.17
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	6	0.17
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	6	0.17
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	6	0.17
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	13	0.17
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	13	0.17
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	13	0.17
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	13	0.17
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	13	0.17
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	13	0.17
(1,810)	1:313:A:LEU:H	1:315:A:ASP:H	2	0.17
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	9	0.17
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	9	0.17
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	8	0.17
(1,763)	1:300:A:VAL:HG11	1:301:A:THR:HB	7	0.17
(1,763)	1:300:A:VAL:HG12	1:301:A:THR:HB	7	0.17
(1,763)	1:300:A:VAL:HG13	1:301:A:THR:HB	7	0.17
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	1	0.17
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	3	0.17
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	11	0.17
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	8	0.17
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	8	0.17
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	1	0.17
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	1	0.17
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	2	0.17
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	4	0.17
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	5	0.17
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	13	0.17
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	13	0.17
(1,661)	1:243:A:GLU:H	1:243:A:GLU:HG2	11	0.17
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.17
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.17
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	4	0.17
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	3	0.17
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	3	0.17
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	3	0.17
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	8	0.17
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	9	0.17
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	9	0.17
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	9	0.17
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	9	0.17
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	9	0.17
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	9	0.17
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	11	0.17
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	5	0.17
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	10	0.17
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	10	0.17
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	6	0.17
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	7	0.17
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	8	0.17
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	1	0.17
(1,500)	1:213:A:ARG:H	1:212:A:ASP:HB2	12	0.17
(1,500)	1:213:A:ARG:H	1:212:A:ASP:HB3	12	0.17
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	7	0.17
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	7	0.17
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	7	0.17
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB2	14	0.17
(1,469)	1:194:A:ALA:H	1:195:A:PRO:HB3	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	14	0.17
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	14	0.17
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	1	0.17
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	1	0.17
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	1	0.17
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	1	0.17
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	1	0.17
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	1	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	6	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	6	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	6	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	6	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	6	0.17
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	6	0.17
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	9	0.17
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	9	0.17
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	15	0.17
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	15	0.17
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	1	0.17
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	1	0.17
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	1	0.17
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	3	0.17
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.17
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:178:A:ARG:H	1:177:A:SER:HB3	5	0.17
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	6	0.17
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	6	0.17
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	6	0.17
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	6	0.17
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	6	0.17
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	6	0.17
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	13	0.17
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	13	0.17
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	13	0.17
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	13	0.17
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	13	0.17
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	13	0.17
(1,397)	1:313:A:LEU:H	1:315:A:ASP:H	2	0.17
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	9	0.17
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	9	0.17
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	8	0.17
(1,350)	1:300:A:VAL:HG11	1:301:A:THR:HB	7	0.17
(1,350)	1:300:A:VAL:HG12	1:301:A:THR:HB	7	0.17
(1,350)	1:300:A:VAL:HG13	1:301:A:THR:HB	7	0.17
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	1	0.17
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	3	0.17
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	11	0.17
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	8	0.17
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	8	0.17
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	1	0.17
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	1	0.17
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	2	0.17
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	4	0.17
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	5	0.17
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	13	0.17
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	13	0.17
(1,248)	1:243:A:GLU:H	1:243:A:GLU:HG2	11	0.17
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	9	0.17
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	9	0.17
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	4	0.17
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	3	0.17
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	3	0.17
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	3	0.17
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	8	0.17
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	9	0.17
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	9	0.17
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	9	0.17
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	9	0.17
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	9	0.17
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	11	0.17
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	5	0.17
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	5	0.17
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	10	0.17
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	10	0.17
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	6	0.17
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	7	0.17
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	8	0.17
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	1	0.17
(1,87)	1:213:A:ARG:H	1:212:A:ASP:HB2	12	0.17
(1,87)	1:213:A:ARG:H	1:212:A:ASP:HB3	12	0.17
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	7	0.17
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	7	0.17
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	7	0.17
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB2	14	0.17
(1,56)	1:194:A:ALA:H	1:195:A:PRO:HB3	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	14	0.17
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	14	0.17
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	1	0.17
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	1	0.17
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	1	0.17
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	1	0.17
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	1	0.17
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	1	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	6	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	6	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	6	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	6	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	6	0.17
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	6	0.17
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	9	0.17
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	9	0.17
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	15	0.17
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	1	0.17
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	1	0.17
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	1	0.17
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	3	0.17
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	5	0.17
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB2	5	0.17
(1,3)	1:178:A:ARG:H	1:177:A:SER:HB3	5	0.17
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.16
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.16
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.16
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.16
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.16
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.16
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.16
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.16
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.16
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.16
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.16
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.16
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	8	0.16
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	8	0.16
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	8	0.16
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	9	0.16
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	9	0.16
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	9	0.16
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	9	0.16
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	9	0.16
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	9	0.16
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	1	0.16
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	1	0.16
(1,2187)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	1	0.16
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	1	0.16
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	1	0.16
(1,2187)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	1	0.16
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	1	0.16
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	1	0.16
(1,2187)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	1	0.16
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	14	0.16
(1,2185)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	14	0.16
(1,2185)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	14	0.16
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	14	0.16
(1,2185)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	14	0.16
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	9	0.16
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	9	0.16
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	9	0.16
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	9	0.16
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	9	0.16
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	9	0.16
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	1	0.16
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	1	0.16
(1,2158)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	1	0.16
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	1	0.16
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	1	0.16
(1,2158)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	1	0.16
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	1	0.16
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	1	0.16
(1,2158)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	1	0.16
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	14	0.16
(1,2156)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	14	0.16
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	14	0.16
(1,2156)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	14	0.16
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	14	0.16
(1,2156)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	14	0.16
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	9	0.16
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	9	0.16
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	9	0.16
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	9	0.16
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	9	0.16
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	9	0.16
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	1	0.16
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	1	0.16
(1,2129)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	1	0.16
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	1	0.16
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	1	0.16
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	1	0.16
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	1	0.16
(1,2129)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	1	0.16
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	14	0.16
(1,2127)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	14	0.16
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	14	0.16
(1,2127)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	14	0.16
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	14	0.16
(1,2127)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	14	0.16
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	9	0.16
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	9	0.16
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	9	0.16
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	9	0.16
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	9	0.16
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	9	0.16
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	1	0.16
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	1	0.16
(1,2100)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	1	0.16
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	1	0.16
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	1	0.16
(1,2100)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	1	0.16
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	1	0.16
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	1	0.16
(1,2100)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	1	0.16
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	14	0.16
(1,2098)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	14	0.16
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	14	0.16
(1,2098)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	14	0.16
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	14	0.16
(1,2098)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	14	0.16
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	5	0.16
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	5	0.16
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	5	0.16
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	9	0.16
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	9	0.16
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	9	0.16
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	9	0.16
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	9	0.16
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD11	1	0.16
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD12	1	0.16
(1,2071)	1:209:A:ALA:HB1	1:203:A:ILE:HD13	1	0.16
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD11	1	0.16
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD12	1	0.16
(1,2071)	1:209:A:ALA:HB2	1:203:A:ILE:HD13	1	0.16
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD11	1	0.16
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD12	1	0.16
(1,2071)	1:209:A:ALA:HB3	1:203:A:ILE:HD13	1	0.16
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE21	14	0.16
(1,2069)	1:207:A:ALA:HB1	1:266:A:GLN:HE22	14	0.16
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE21	14	0.16
(1,2069)	1:207:A:ALA:HB2	1:266:A:GLN:HE22	14	0.16
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE21	14	0.16
(1,2069)	1:207:A:ALA:HB3	1:266:A:GLN:HE22	14	0.16
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	4	0.16
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	4	0.16
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	4	0.16
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	4	0.16
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	4	0.16
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	4	0.16
(1,2049)	1:313:A:LEU:H	1:315:A:ASP:H	5	0.16
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	4	0.16
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	11	0.16
(1,2041)	1:310:A:LEU:H	1:307:A:ARG:HA	8	0.16
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.16
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	15	0.16
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.16
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.16
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.16
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.16
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.16
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.16
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	1	0.16
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	4	0.16
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	2	0.16
(1,1991)	1:297:A:ASN:H	1:295:A:LYS:H	8	0.16
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB2	11	0.16
(1,1969)	1:292:A:ASP:H	1:291:A:PHE:HB3	11	0.16
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	12	0.16
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.16
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.16
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.16
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.16
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.16
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.16
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	8	0.16
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	8	0.16
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	13	0.16
(1,1904)	1:243:A:GLU:H	1:243:A:GLU:HB2	15	0.16
(1,1903)	1:243:A:GLU:H	1:243:A:GLU:HB3	5	0.16
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	14	0.16
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	12	0.16
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	13	0.16
(1,1844)	1:234:A:TRP:H	1:233:A:THR:HB	11	0.16
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	4	0.16
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	4	0.16
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	13	0.16
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	13	0.16
(1,1831)	1:231:A:ARG:H	1:228:A:LEU:HA	15	0.16
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	3	0.16
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	1	0.16
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	2	0.16
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	5	0.16
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.16
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.16
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.16
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.16
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.16
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.16
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	7	0.16
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.16
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	6	0.16
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	6	0.16
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	7	0.16
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	7	0.16
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	14	0.16
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	14	0.16
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	14	0.16
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	14	0.16
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	14	0.16
(1,1765)	1:217:A:ALA:HB1	1:214:A:VAL:HA	13	0.16
(1,1765)	1:217:A:ALA:HB2	1:214:A:VAL:HA	13	0.16
(1,1765)	1:217:A:ALA:HB3	1:214:A:VAL:HA	13	0.16
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	1	0.16
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	15	0.16
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	9	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	2	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	2	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	2	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	13	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	13	0.16
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	13	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	6	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	6	0.16
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	6	0.16
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	4	0.16
(1,1684)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	4	0.16
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	4	0.16
(1,1684)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	4	0.16
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	4	0.16
(1,1684)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	4	0.16
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	12	0.16
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	12	0.16
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	12	0.16
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	12	0.16
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	12	0.16
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	12	0.16
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	13	0.16
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	13	0.16
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	13	0.16
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	2	0.16
(1,1654)	1:178:A:ARG:H	1:177:A:SER:H	6	0.16
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	4	0.16
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	4	0.16
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	4	0.16
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	4	0.16
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	4	0.16
(1,1636)	1:313:A:LEU:H	1:315:A:ASP:H	5	0.16
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	4	0.16
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	11	0.16
(1,1628)	1:310:A:LEU:H	1:307:A:ARG:HA	8	0.16
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.16
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	15	0.16
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.16
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.16
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.16
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.16
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.16
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.16
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	1	0.16
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	4	0.16
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	2	0.16
(1,1578)	1:297:A:ASN:H	1:295:A:LYS:H	8	0.16
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB2	11	0.16
(1,1556)	1:292:A:ASP:H	1:291:A:PHE:HB3	11	0.16
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	12	0.16
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	12	0.16
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.16
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.16
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.16
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.16
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.16
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.16
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	8	0.16
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	8	0.16
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	13	0.16
(1,1491)	1:243:A:GLU:H	1:243:A:GLU:HB2	15	0.16
(1,1490)	1:243:A:GLU:H	1:243:A:GLU:HB3	5	0.16
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	14	0.16
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	12	0.16
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	13	0.16
(1,1431)	1:234:A:TRP:H	1:233:A:THR:HB	11	0.16
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	4	0.16
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	4	0.16
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	13	0.16
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	13	0.16
(1,1418)	1:231:A:ARG:H	1:228:A:LEU:HA	15	0.16
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	1	0.16
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	2	0.16
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	5	0.16
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.16
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.16
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.16
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.16
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.16
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.16
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	7	0.16
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.16
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	6	0.16
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	6	0.16
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	7	0.16
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	7	0.16
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	14	0.16
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	14	0.16
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	14	0.16
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	14	0.16
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	14	0.16
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	14	0.16
(1,1352)	1:217:A:ALA:HB1	1:214:A:VAL:HA	13	0.16
(1,1352)	1:217:A:ALA:HB2	1:214:A:VAL:HA	13	0.16
(1,1352)	1:217:A:ALA:HB3	1:214:A:VAL:HA	13	0.16
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	1	0.16
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	15	0.16
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	9	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	2	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	2	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	2	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	13	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	13	0.16
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	13	0.16
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	6	0.16
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	6	0.16
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	6	0.16
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	4	0.16
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	4	0.16
(1,1271)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	4	0.16
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	4	0.16
(1,1271)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	4	0.16
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	12	0.16
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	12	0.16
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	12	0.16
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	12	0.16
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	12	0.16
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	12	0.16
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	13	0.16
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	13	0.16
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	13	0.16
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	2	0.16
(1,1241)	1:178:A:ARG:H	1:177:A:SER:H	6	0.16
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	4	0.16
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	4	0.16
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	4	0.16
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	4	0.16
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	4	0.16
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	4	0.16
(1,1223)	1:313:A:LEU:H	1:315:A:ASP:H	5	0.16
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	4	0.16
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	11	0.16
(1,1215)	1:310:A:LEU:H	1:307:A:ARG:HA	8	0.16
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.16
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	15	0.16
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.16
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.16
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.16
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.16
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.16
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.16
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	1	0.16
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	4	0.16
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	2	0.16
(1,1165)	1:297:A:ASN:H	1:295:A:LYS:H	8	0.16
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB2	11	0.16
(1,1143)	1:292:A:ASP:H	1:291:A:PHE:HB3	11	0.16
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	12	0.16
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.16
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.16
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.16
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.16
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.16
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.16
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	8	0.16
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	8	0.16
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	13	0.16
(1,1078)	1:243:A:GLU:H	1:243:A:GLU:HB2	15	0.16
(1,1077)	1:243:A:GLU:H	1:243:A:GLU:HB3	5	0.16
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	14	0.16
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	12	0.16
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	13	0.16
(1,1018)	1:234:A:TRP:H	1:233:A:THR:HB	11	0.16
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	4	0.16
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	4	0.16
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	13	0.16
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	13	0.16
(1,1005)	1:231:A:ARG:H	1:228:A:LEU:HA	15	0.16
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	3	0.16
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	1	0.16
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	2	0.16
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	5	0.16
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.16
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.16
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.16
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.16
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.16
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.16
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	7	0.16
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.16
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	6	0.16
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	6	0.16
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	7	0.16
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	7	0.16
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	14	0.16
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	14	0.16
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	14	0.16
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	14	0.16
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	14	0.16
(1,939)	1:217:A:ALA:HB1	1:214:A:VAL:HA	13	0.16
(1,939)	1:217:A:ALA:HB2	1:214:A:VAL:HA	13	0.16
(1,939)	1:217:A:ALA:HB3	1:214:A:VAL:HA	13	0.16
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	1	0.16
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	15	0.16
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	9	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	2	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	2	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	2	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	13	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	13	0.16
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	13	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	6	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	6	0.16
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	6	0.16
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	4	0.16
(1,858)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	4	0.16
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	4	0.16
(1,858)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	4	0.16
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	4	0.16
(1,858)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	4	0.16
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	12	0.16
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	12	0.16
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	12	0.16
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	12	0.16
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	12	0.16
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	12	0.16
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	13	0.16
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	13	0.16
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	13	0.16
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	2	0.16
(1,828)	1:178:A:ARG:H	1:177:A:SER:H	6	0.16
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	4	0.16
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	4	0.16
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	4	0.16
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	4	0.16
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	4	0.16
(1,810)	1:313:A:LEU:H	1:315:A:ASP:H	5	0.16
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	4	0.16
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	11	0.16
(1,802)	1:310:A:LEU:H	1:307:A:ARG:HA	8	0.16
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.16
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	15	0.16
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.16
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.16
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.16
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.16
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.16
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.16
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	1	0.16
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	4	0.16
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	2	0.16
(1,752)	1:297:A:ASN:H	1:295:A:LYS:H	8	0.16
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB2	11	0.16
(1,730)	1:292:A:ASP:H	1:291:A:PHE:HB3	11	0.16
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	12	0.16
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	12	0.16
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.16
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.16
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.16
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.16
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.16
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.16
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	8	0.16
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	8	0.16
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	13	0.16
(1,665)	1:243:A:GLU:H	1:243:A:GLU:HB2	15	0.16
(1,664)	1:243:A:GLU:H	1:243:A:GLU:HB3	5	0.16
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	14	0.16
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	12	0.16
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	13	0.16
(1,605)	1:234:A:TRP:H	1:233:A:THR:HB	11	0.16
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	4	0.16
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	4	0.16
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	13	0.16
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	13	0.16
(1,592)	1:231:A:ARG:H	1:228:A:LEU:HA	15	0.16
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	1	0.16
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	2	0.16
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	5	0.16
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.16
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.16
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.16
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.16
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.16
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.16
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	7	0.16
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.16
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	6	0.16
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	6	0.16
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	7	0.16
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	7	0.16
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	14	0.16
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	14	0.16
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	14	0.16
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	14	0.16
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	14	0.16
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	14	0.16
(1,526)	1:217:A:ALA:HB1	1:214:A:VAL:HA	13	0.16
(1,526)	1:217:A:ALA:HB2	1:214:A:VAL:HA	13	0.16
(1,526)	1:217:A:ALA:HB3	1:214:A:VAL:HA	13	0.16
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	1	0.16
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	15	0.16
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	9	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	2	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	2	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	2	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	13	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	13	0.16
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	13	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	6	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	6	0.16
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	6	0.16
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	4	0.16
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	4	0.16
(1,445)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	4	0.16
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	4	0.16
(1,445)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	4	0.16
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	12	0.16
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	12	0.16
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	12	0.16
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	12	0.16
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	12	0.16
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	12	0.16
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	13	0.16
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	13	0.16
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	13	0.16
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	2	0.16
(1,415)	1:178:A:ARG:H	1:177:A:SER:H	6	0.16
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	4	0.16
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	4	0.16
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	4	0.16
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	4	0.16
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	4	0.16
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	4	0.16
(1,397)	1:313:A:LEU:H	1:315:A:ASP:H	5	0.16
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	4	0.16
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	11	0.16
(1,389)	1:310:A:LEU:H	1:307:A:ARG:HA	8	0.16
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	12	0.16
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	15	0.16
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	8	0.16
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	8	0.16
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	8	0.16
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	8	0.16
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	8	0.16
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	8	0.16
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	1	0.16
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	4	0.16
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	2	0.16
(1,339)	1:297:A:ASN:H	1:295:A:LYS:H	8	0.16
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB2	11	0.16
(1,317)	1:292:A:ASP:H	1:291:A:PHE:HB3	11	0.16
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	12	0.16
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	6	0.16
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	6	0.16
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	6	0.16
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	6	0.16
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	6	0.16
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	6	0.16
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	8	0.16
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	8	0.16
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	13	0.16
(1,252)	1:243:A:GLU:H	1:243:A:GLU:HB2	15	0.16
(1,251)	1:243:A:GLU:H	1:243:A:GLU:HB3	5	0.16
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	14	0.16
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	12	0.16
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	13	0.16
(1,192)	1:234:A:TRP:H	1:233:A:THR:HB	11	0.16
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	4	0.16
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	4	0.16
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	13	0.16
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	13	0.16
(1,179)	1:231:A:ARG:H	1:228:A:LEU:HA	15	0.16
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	3	0.16
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	1	0.16
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	2	0.16
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	5	0.16
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	7	0.16
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	7	0.16
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	7	0.16
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	7	0.16
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	7	0.16
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	7	0.16
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	7	0.16
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	14	0.16
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	6	0.16
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	6	0.16
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	7	0.16
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	7	0.16
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	14	0.16
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	14	0.16
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	14	0.16
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	14	0.16
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	14	0.16
(1,113)	1:217:A:ALA:HB1	1:214:A:VAL:HA	13	0.16
(1,113)	1:217:A:ALA:HB2	1:214:A:VAL:HA	13	0.16
(1,113)	1:217:A:ALA:HB3	1:214:A:VAL:HA	13	0.16
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	1	0.16
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	15	0.16
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	9	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	2	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	2	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	2	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	13	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	13	0.16
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	13	0.16
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	6	0.16
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	6	0.16
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	6	0.16
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB2	4	0.16
(1,32)	1:189:A:ALA:HB1	1:192:A:LEU:HB3	4	0.16
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB2	4	0.16
(1,32)	1:189:A:ALA:HB2	1:192:A:LEU:HB3	4	0.16
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB2	4	0.16
(1,32)	1:189:A:ALA:HB3	1:192:A:LEU:HB3	4	0.16
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	12	0.16
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	12	0.16
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	12	0.16
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	12	0.16
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	12	0.16
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	12	0.16
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	13	0.16
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	13	0.16
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	13	0.16
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	2	0.16
(1,2)	1:178:A:ARG:H	1:177:A:SER:H	6	0.16
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	0.15
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	0.15
(1,2325)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	0.15
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	0.15
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	0.15
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	0.15
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	0.15
(1,2325)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	0.15
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	0.15
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	0.15
(1,2324)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	0.15
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	0.15
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	0.15
(1,2324)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	0.15
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	0.15
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	0.15
(1,2324)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	0.15
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	0.15
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	0.15
(1,2323)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	0.15
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	0.15
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	0.15
(1,2323)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	0.15
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	0.15
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	0.15
(1,2323)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	0.15
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	0.15
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	0.15
(1,2322)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	0.15
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	0.15
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	0.15
(1,2322)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	0.15
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	0.15
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	0.15
(1,2322)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	0.15
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG21	14	0.15
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG22	14	0.15
(1,2321)	1:254:A:VAL:HG21	1:253:A:THR:HG23	14	0.15
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG21	14	0.15
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG22	14	0.15
(1,2321)	1:254:A:VAL:HG22	1:253:A:THR:HG23	14	0.15
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG21	14	0.15
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG22	14	0.15
(1,2321)	1:254:A:VAL:HG23	1:253:A:THR:HG23	14	0.15
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	11	0.15
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	11	0.15
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	11	0.15
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	11	0.15
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	11	0.15
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	11	0.15
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	11	0.15
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	11	0.15
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	1	0.15
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	1	0.15
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	1	0.15
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	9	0.15
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	9	0.15
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	9	0.15
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	14	0.15
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	14	0.15
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	14	0.15
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	14	0.15
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	14	0.15
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	14	0.15
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	7	0.15
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	7	0.15
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	7	0.15
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	7	0.15
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	7	0.15
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	7	0.15
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	5	0.15
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	5	0.15
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	5	0.15
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	5	0.15
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	5	0.15
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	5	0.15
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	15	0.15
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	15	0.15
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	15	0.15
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	15	0.15
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	15	0.15
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	15	0.15
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	7	0.15
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	7	0.15
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	7	0.15
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	7	0.15
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	7	0.15
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	15	0.15
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	15	0.15
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	15	0.15
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	15	0.15
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	15	0.15
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	15	0.15
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD2	9	0.15
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD3	9	0.15
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD2	9	0.15
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD3	9	0.15
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD2	9	0.15
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD3	9	0.15
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	11	0.15
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	11	0.15
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	11	0.15
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	11	0.15
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	11	0.15
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	11	0.15
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	11	0.15
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	11	0.15
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	11	0.15
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	1	0.15
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	1	0.15
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	1	0.15
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	9	0.15
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	9	0.15
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	9	0.15
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	14	0.15
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	14	0.15
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	14	0.15
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	14	0.15
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	14	0.15
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	14	0.15
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	7	0.15
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	7	0.15
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	7	0.15
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	7	0.15
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	7	0.15
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	7	0.15
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	5	0.15
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	5	0.15
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	5	0.15
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	5	0.15
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	5	0.15
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	15	0.15
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	15	0.15
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	15	0.15
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	15	0.15
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	15	0.15
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	15	0.15
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	7	0.15
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	7	0.15
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	7	0.15
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	7	0.15
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	7	0.15
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	7	0.15
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	15	0.15
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	15	0.15
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	15	0.15
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	15	0.15
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	15	0.15
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	15	0.15
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD2	9	0.15
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD3	9	0.15
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD2	9	0.15
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD3	9	0.15
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD2	9	0.15
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD3	9	0.15
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	11	0.15
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	11	0.15
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	11	0.15
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	11	0.15
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	11	0.15
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	11	0.15
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	11	0.15
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	11	0.15
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	11	0.15
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	1	0.15
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	1	0.15
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	1	0.15
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	9	0.15
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	9	0.15
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	14	0.15
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	14	0.15
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	14	0.15
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	14	0.15
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	14	0.15
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	14	0.15
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	7	0.15
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	7	0.15
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	7	0.15
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	7	0.15
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	7	0.15
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	7	0.15
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	5	0.15
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	5	0.15
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	5	0.15
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	5	0.15
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	5	0.15
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	5	0.15
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	15	0.15
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	15	0.15
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	15	0.15
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	15	0.15
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	15	0.15
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	15	0.15
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	7	0.15
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	7	0.15
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	7	0.15
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	7	0.15
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	7	0.15
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	7	0.15
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	15	0.15
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	15	0.15
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	15	0.15
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	15	0.15
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	15	0.15
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	15	0.15
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD2	9	0.15
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD3	9	0.15
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD2	9	0.15
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD3	9	0.15
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD3	9	0.15
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	11	0.15
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	11	0.15
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	11	0.15
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	11	0.15
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	11	0.15
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	11	0.15
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	11	0.15
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	11	0.15
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	11	0.15
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	1	0.15
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	1	0.15
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	1	0.15
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	9	0.15
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	9	0.15
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	9	0.15
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	14	0.15
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	14	0.15
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	14	0.15
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	14	0.15
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	14	0.15
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	14	0.15
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	7	0.15
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	7	0.15
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	7	0.15
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	7	0.15
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	7	0.15
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	7	0.15
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	5	0.15
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	5	0.15
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	5	0.15
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	5	0.15
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	5	0.15
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	5	0.15
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	15	0.15
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	15	0.15
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	15	0.15
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	15	0.15
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	15	0.15
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	15	0.15
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	7	0.15
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	7	0.15
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	7	0.15
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	7	0.15
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	7	0.15
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	15	0.15
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	15	0.15
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	15	0.15
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	15	0.15
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	15	0.15
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	15	0.15
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD2	9	0.15
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD3	9	0.15
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD2	9	0.15
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD3	9	0.15
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD2	9	0.15
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD3	9	0.15
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	11	0.15
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	11	0.15
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	11	0.15
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	11	0.15
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	11	0.15
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	11	0.15
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	11	0.15
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	11	0.15
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	11	0.15
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	1	0.15
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	1	0.15
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	1	0.15
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	9	0.15
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	9	0.15
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	9	0.15
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	14	0.15
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	14	0.15
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	14	0.15
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	14	0.15
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	14	0.15
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	14	0.15
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	7	0.15
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	7	0.15
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	7	0.15
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	7	0.15
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	7	0.15
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	5	0.15
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	5	0.15
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	5	0.15
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	5	0.15
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	5	0.15
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	5	0.15
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	15	0.15
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	15	0.15
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	15	0.15
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	15	0.15
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	15	0.15
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	15	0.15
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	7	0.15
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	7	0.15
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	7	0.15
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	7	0.15
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	7	0.15
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	7	0.15
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	15	0.15
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	15	0.15
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	15	0.15
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	15	0.15
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	15	0.15
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	15	0.15
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD2	9	0.15
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD3	9	0.15
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD2	9	0.15
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD3	9	0.15
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD2	9	0.15
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD3	9	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD11	3	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD12	3	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD13	3	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD21	3	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD22	3	0.15
(1,2054)	1:314:A:ARG:H	1:313:A:LEU:HD23	3	0.15
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	2	0.15
(1,1999)	1:300:A:VAL:H	1:297:A:ASN:HA	8	0.15
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	11	0.15
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	11	0.15
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	2	0.15
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	5	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB2	7	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB3	7	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB2	11	0.15
(1,1990)	1:297:A:ASN:H	1:296:A:TYR:HB3	11	0.15
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	8	0.15
(1,1974)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	8	0.15
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	8	0.15
(1,1974)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	8	0.15
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	8	0.15
(1,1974)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	8	0.15
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB2	8	0.15
(1,1968)	1:291:A:PHE:H	1:290:A:ASN:HB3	8	0.15
(1,1965)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.15
(1,1965)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.15
(1,1965)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.15
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	7	0.15
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	7	0.15
(1,1957)	1:268:A:PHE:H	1:267:A:SER:HB2	12	0.15
(1,1957)	1:268:A:PHE:H	1:267:A:SER:HB3	12	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	6	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	6	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	6	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	6	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	6	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	6	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	7	0.15
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	7	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	7	0.15
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	7	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	7	0.15
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	7	0.15
(1,1937)	1:262:A:LEU:H	1:259:A:GLY:HA2	12	0.15
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	4	0.15
(1,1936)	1:260:A:TYR:H	1:259:A:GLY:H	8	0.15
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	9	0.15
(1,1862)	1:239:A:TRP:HE1	1:235:A:TRP:HB2	2	0.15
(1,1862)	1:239:A:TRP:HE1	1:235:A:TRP:HB3	2	0.15
(1,1852)	1:236:A:GLU:H	1:235:A:TRP:HA	15	0.15
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	12	0.15
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	12	0.15
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA2	12	0.15
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA3	12	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	5	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	6	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	9	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	10	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	12	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	13	0.15
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	14	0.15
(1,1806)	1:226:A:THR:H	1:224:A:VAL:H	3	0.15
(1,1806)	1:226:A:THR:H	1:224:A:VAL:H	13	0.15
(1,1806)	1:226:A:THR:H	1:224:A:VAL:H	15	0.15
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	6	0.15
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	15	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	11	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	11	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	11	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	15	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	15	0.15
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	15	0.15
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	11	0.15
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	15	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	1	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	1	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	4	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	4	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	9	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	9	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	11	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	11	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.15
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.15
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	3	0.15
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.15
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.15
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	9	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	4	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	4	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	4	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	9	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	9	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	11	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	11	0.15
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	11	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	11	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	11	0.15
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	11	0.15
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	5	0.15
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	4	0.15
(1,1683)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	4	0.15
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	4	0.15
(1,1683)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	4	0.15
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	4	0.15
(1,1683)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	4	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	13	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	13	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	13	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	13	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	13	0.15
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	13	0.15
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	6	0.15
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	6	0.15
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	6	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD11	3	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD12	3	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD13	3	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD21	3	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD22	3	0.15
(1,1641)	1:314:A:ARG:H	1:313:A:LEU:HD23	3	0.15
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	2	0.15
(1,1586)	1:300:A:VAL:H	1:297:A:ASN:HA	8	0.15
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	11	0.15
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	11	0.15
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	11	0.15
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	2	0.15
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	5	0.15
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB2	7	0.15
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB3	7	0.15
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:297:A:ASN:H	1:296:A:TYR:HB3	11	0.15
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	8	0.15
(1,1561)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	8	0.15
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	8	0.15
(1,1561)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	8	0.15
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	8	0.15
(1,1561)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	8	0.15
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB2	8	0.15
(1,1555)	1:291:A:PHE:H	1:290:A:ASN:HB3	8	0.15
(1,1552)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.15
(1,1552)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.15
(1,1552)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.15
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	7	0.15
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	7	0.15
(1,1544)	1:268:A:PHE:H	1:267:A:SER:HB2	12	0.15
(1,1544)	1:268:A:PHE:H	1:267:A:SER:HB3	12	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	6	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	6	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	6	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	6	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	6	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	6	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	7	0.15
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	7	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	7	0.15
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	7	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	7	0.15
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	7	0.15
(1,1524)	1:262:A:LEU:H	1:259:A:GLY:HA2	12	0.15
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	4	0.15
(1,1523)	1:260:A:TYR:H	1:259:A:GLY:H	8	0.15
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	9	0.15
(1,1449)	1:239:A:TRP:HE1	1:235:A:TRP:HB2	2	0.15
(1,1449)	1:239:A:TRP:HE1	1:235:A:TRP:HB3	2	0.15
(1,1439)	1:236:A:GLU:H	1:235:A:TRP:HA	15	0.15
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	12	0.15
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	12	0.15
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	12	0.15
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA2	12	0.15
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA3	12	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	5	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	9	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	10	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	12	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	13	0.15
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	14	0.15
(1,1393)	1:226:A:THR:H	1:224:A:VAL:H	3	0.15
(1,1393)	1:226:A:THR:H	1:224:A:VAL:H	13	0.15
(1,1393)	1:226:A:THR:H	1:224:A:VAL:H	15	0.15
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	6	0.15
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	15	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	11	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	11	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	11	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	15	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	15	0.15
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	15	0.15
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	11	0.15
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	15	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	1	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	1	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	4	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	4	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	9	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	9	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	11	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	11	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.15
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.15
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	3	0.15
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.15
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.15
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	9	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	4	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	4	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	4	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	9	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	9	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	9	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	11	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	11	0.15
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	11	0.15
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.15
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.15
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	11	0.15
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	11	0.15
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	11	0.15
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	5	0.15
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	4	0.15
(1,1270)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	4	0.15
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	4	0.15
(1,1270)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	4	0.15
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	4	0.15
(1,1270)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	4	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	13	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	13	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	13	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	13	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	13	0.15
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	13	0.15
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	6	0.15
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	6	0.15
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	6	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD11	3	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD12	3	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD13	3	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD21	3	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD22	3	0.15
(1,1228)	1:314:A:ARG:H	1:313:A:LEU:HD23	3	0.15
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	2	0.15
(1,1173)	1:300:A:VAL:H	1:297:A:ASN:HA	8	0.15
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	11	0.15
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	11	0.15
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	11	0.15
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	2	0.15
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	5	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB2	7	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB3	7	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB2	11	0.15
(1,1164)	1:297:A:ASN:H	1:296:A:TYR:HB3	11	0.15
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	8	0.15
(1,1148)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	8	0.15
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	8	0.15
(1,1148)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	8	0.15
(1,1148)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	8	0.15
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB2	8	0.15
(1,1142)	1:291:A:PHE:H	1:290:A:ASN:HB3	8	0.15
(1,1139)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.15
(1,1139)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.15
(1,1139)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.15
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	7	0.15
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	7	0.15
(1,1131)	1:268:A:PHE:H	1:267:A:SER:HB2	12	0.15
(1,1131)	1:268:A:PHE:H	1:267:A:SER:HB3	12	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	6	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	6	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	6	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	6	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	6	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	6	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	7	0.15
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	7	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	7	0.15
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	7	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	7	0.15
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	7	0.15
(1,1111)	1:262:A:LEU:H	1:259:A:GLY:HA2	12	0.15
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	4	0.15
(1,1110)	1:260:A:TYR:H	1:259:A:GLY:H	8	0.15
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	9	0.15
(1,1036)	1:239:A:TRP:HE1	1:235:A:TRP:HB2	2	0.15
(1,1036)	1:239:A:TRP:HE1	1:235:A:TRP:HB3	2	0.15
(1,1026)	1:236:A:GLU:H	1:235:A:TRP:HA	15	0.15
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	12	0.15
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	12	0.15
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	12	0.15
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA2	12	0.15
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA3	12	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	5	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	6	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	9	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	10	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	12	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	13	0.15
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:226:A:THR:H	1:224:A:VAL:H	3	0.15
(1,980)	1:226:A:THR:H	1:224:A:VAL:H	13	0.15
(1,980)	1:226:A:THR:H	1:224:A:VAL:H	15	0.15
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	6	0.15
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	15	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	11	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	11	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	11	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	15	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	15	0.15
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	15	0.15
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	11	0.15
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	15	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	1	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	1	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	4	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	4	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	9	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	9	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	11	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	11	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.15
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.15
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	3	0.15
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.15
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.15
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	9	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	4	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	4	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	4	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	9	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	9	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	9	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	11	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	11	0.15
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	11	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	11	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	11	0.15
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	5	0.15
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	4	0.15
(1,857)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	4	0.15
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	4	0.15
(1,857)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	4	0.15
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	4	0.15
(1,857)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	4	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	13	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	13	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	13	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	13	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	13	0.15
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	13	0.15
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	6	0.15
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	6	0.15
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	6	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD11	3	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD12	3	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD13	3	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD21	3	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD22	3	0.15
(1,815)	1:314:A:ARG:H	1:313:A:LEU:HD23	3	0.15
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	2	0.15
(1,760)	1:300:A:VAL:H	1:297:A:ASN:HA	8	0.15
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	11	0.15
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	11	0.15
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	11	0.15
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	2	0.15
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	5	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB2	7	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB3	7	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB2	11	0.15
(1,751)	1:297:A:ASN:H	1:296:A:TYR:HB3	11	0.15
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	8	0.15
(1,735)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	8	0.15
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	8	0.15
(1,735)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	8	0.15
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	8	0.15
(1,735)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	8	0.15
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB2	8	0.15
(1,729)	1:291:A:PHE:H	1:290:A:ASN:HB3	8	0.15
(1,726)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.15
(1,726)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.15
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	7	0.15
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	7	0.15
(1,718)	1:268:A:PHE:H	1:267:A:SER:HB2	12	0.15
(1,718)	1:268:A:PHE:H	1:267:A:SER:HB3	12	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	6	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	6	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	6	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	6	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	6	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	6	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	7	0.15
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	7	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	7	0.15
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	7	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	7	0.15
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	7	0.15
(1,698)	1:262:A:LEU:H	1:259:A:GLY:HA2	12	0.15
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	4	0.15
(1,697)	1:260:A:TYR:H	1:259:A:GLY:H	8	0.15
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	9	0.15
(1,623)	1:239:A:TRP:HE1	1:235:A:TRP:HB2	2	0.15
(1,623)	1:239:A:TRP:HE1	1:235:A:TRP:HB3	2	0.15
(1,613)	1:236:A:GLU:H	1:235:A:TRP:HA	15	0.15
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	12	0.15
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	12	0.15
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	12	0.15
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA2	12	0.15
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA3	12	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	5	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	6	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	9	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	10	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	12	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	13	0.15
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	14	0.15
(1,567)	1:226:A:THR:H	1:224:A:VAL:H	3	0.15
(1,567)	1:226:A:THR:H	1:224:A:VAL:H	13	0.15
(1,567)	1:226:A:THR:H	1:224:A:VAL:H	15	0.15
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	6	0.15
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	11	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	11	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	11	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	15	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	15	0.15
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	15	0.15
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	11	0.15
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	15	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	1	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	1	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	4	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	4	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	9	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	9	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	11	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	11	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.15
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.15
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	3	0.15
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.15
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.15
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	9	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	4	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	4	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	4	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	9	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	9	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	9	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	11	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	11	0.15
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	11	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	11	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	11	0.15
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	11	0.15
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	5	0.15
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	4	0.15
(1,444)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	4	0.15
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	4	0.15
(1,444)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	4	0.15
(1,444)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	4	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	13	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	13	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	13	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	13	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	13	0.15
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	13	0.15
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	6	0.15
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	6	0.15
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	6	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD11	3	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD12	3	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD13	3	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD21	3	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD22	3	0.15
(1,402)	1:314:A:ARG:H	1:313:A:LEU:HD23	3	0.15
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	2	0.15
(1,347)	1:300:A:VAL:H	1:297:A:ASN:HA	8	0.15
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	11	0.15
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	11	0.15
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	11	0.15
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	2	0.15
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	5	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB2	7	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB3	7	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB2	11	0.15
(1,338)	1:297:A:ASN:H	1:296:A:TYR:HB3	11	0.15
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG2	8	0.15
(1,322)	1:293:A:ILE:HG21	1:294:A:GLU:HG3	8	0.15
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG2	8	0.15
(1,322)	1:293:A:ILE:HG22	1:294:A:GLU:HG3	8	0.15
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG2	8	0.15
(1,322)	1:293:A:ILE:HG23	1:294:A:GLU:HG3	8	0.15
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB2	8	0.15
(1,316)	1:291:A:PHE:H	1:290:A:ASN:HB3	8	0.15
(1,313)	1:273:A:ALA:HB1	1:274:A:ARG:H	3	0.15
(1,313)	1:273:A:ALA:HB2	1:274:A:ARG:H	3	0.15
(1,313)	1:273:A:ALA:HB3	1:274:A:ARG:H	3	0.15
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	7	0.15
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	7	0.15
(1,305)	1:268:A:PHE:H	1:267:A:SER:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:268:A:PHE:H	1:267:A:SER:HB3	12	0.15
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	6	0.15
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	6	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	6	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	6	0.15
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	6	0.15
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	6	0.15
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	7	0.15
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	7	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	7	0.15
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	7	0.15
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	7	0.15
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	7	0.15
(1,285)	1:262:A:LEU:H	1:259:A:GLY:HA2	12	0.15
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	4	0.15
(1,284)	1:260:A:TYR:H	1:259:A:GLY:H	8	0.15
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	9	0.15
(1,210)	1:239:A:TRP:HE1	1:235:A:TRP:HB2	2	0.15
(1,210)	1:239:A:TRP:HE1	1:235:A:TRP:HB3	2	0.15
(1,200)	1:236:A:GLU:H	1:235:A:TRP:HA	15	0.15
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	12	0.15
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	12	0.15
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	12	0.15
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA2	12	0.15
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA3	12	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	5	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	6	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	9	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	10	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	12	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	13	0.15
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	14	0.15
(1,154)	1:226:A:THR:H	1:224:A:VAL:H	3	0.15
(1,154)	1:226:A:THR:H	1:224:A:VAL:H	13	0.15
(1,154)	1:226:A:THR:H	1:224:A:VAL:H	15	0.15
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	6	0.15
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	15	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	11	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	11	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	11	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	15	0.15
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	15	0.15
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	11	0.15
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	15	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	1	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	1	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	4	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	4	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	9	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	9	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	11	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	11	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	15	0.15
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	15	0.15
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	3	0.15
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB2	3	0.15
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB3	3	0.15
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	9	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	4	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	4	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	4	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	9	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	9	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	9	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	11	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	11	0.15
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	11	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	8	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	8	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	8	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	11	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	11	0.15
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	11	0.15
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	5	0.15
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB2	4	0.15
(1,31)	1:189:A:ALA:HB1	1:190:A:GLU:HB3	4	0.15
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB2	4	0.15
(1,31)	1:189:A:ALA:HB2	1:190:A:GLU:HB3	4	0.15
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB2	4	0.15
(1,31)	1:189:A:ALA:HB3	1:190:A:GLU:HB3	4	0.15
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	13	0.15
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	13	0.15
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	13	0.15
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	13	0.15
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	13	0.15
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	6	0.15
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	6	0.15
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	6	0.15
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	7	0.14
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	7	0.14
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	11	0.14
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	11	0.14
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	7	0.14
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	7	0.14
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	11	0.14
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	11	0.14
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	7	0.14
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	7	0.14
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	11	0.14
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	11	0.14
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	7	0.14
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	7	0.14
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	11	0.14
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	11	0.14
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	7	0.14
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	7	0.14
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	11	0.14
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	11	0.14
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	9	0.14
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	9	0.14
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	9	0.14
(1,2205)	1:255:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.14
(1,2205)	1:255:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.14
(1,2205)	1:255:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.14
(1,2201)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.14
(1,2201)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.14
(1,2201)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.14
(1,2198)	1:234:A:TRP:HE1	1:241:A:ILE:HG12	1	0.14
(1,2198)	1:234:A:TRP:HE1	1:241:A:ILE:HG13	1	0.14
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	13	0.14
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	13	0.14
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	13	0.14
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	13	0.14
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	13	0.14
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	14	0.14
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	14	0.14
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	14	0.14
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	14	0.14
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	14	0.14
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	14	0.14
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	6	0.14
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	6	0.14
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	6	0.14
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	6	0.14
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	6	0.14
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	6	0.14
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	9	0.14
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	9	0.14
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	9	0.14
(1,2176)	1:255:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.14
(1,2176)	1:255:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.14
(1,2176)	1:255:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.14
(1,2172)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.14
(1,2172)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.14
(1,2172)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.14
(1,2169)	1:234:A:TRP:HE1	1:241:A:ILE:HG12	1	0.14
(1,2169)	1:234:A:TRP:HE1	1:241:A:ILE:HG13	1	0.14
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	13	0.14
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	13	0.14
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	13	0.14
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	13	0.14
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	13	0.14
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	13	0.14
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	14	0.14
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	14	0.14
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	14	0.14
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	14	0.14
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	14	0.14
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	14	0.14
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	6	0.14
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	6	0.14
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	6	0.14
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	6	0.14
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	6	0.14
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	9	0.14
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	9	0.14
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	9	0.14
(1,2147)	1:255:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.14
(1,2147)	1:255:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.14
(1,2147)	1:255:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.14
(1,2143)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.14
(1,2143)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.14
(1,2143)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.14
(1,2140)	1:234:A:TRP:HE1	1:241:A:ILE:HG12	1	0.14
(1,2140)	1:234:A:TRP:HE1	1:241:A:ILE:HG13	1	0.14
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	13	0.14
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	13	0.14
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	13	0.14
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	13	0.14
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	13	0.14
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	13	0.14
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	14	0.14
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	14	0.14
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	14	0.14
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	14	0.14
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	14	0.14
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	14	0.14
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	6	0.14
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	6	0.14
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	6	0.14
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	6	0.14
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	6	0.14
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	6	0.14
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	9	0.14
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	9	0.14
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	9	0.14
(1,2118)	1:255:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.14
(1,2118)	1:255:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.14
(1,2118)	1:255:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.14
(1,2114)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.14
(1,2114)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.14
(1,2114)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.14
(1,2111)	1:234:A:TRP:HE1	1:241:A:ILE:HG12	1	0.14
(1,2111)	1:234:A:TRP:HE1	1:241:A:ILE:HG13	1	0.14
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	13	0.14
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	13	0.14
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	13	0.14
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	13	0.14
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	13	0.14
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	14	0.14
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	14	0.14
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	14	0.14
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	14	0.14
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	14	0.14
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	14	0.14
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	6	0.14
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	6	0.14
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	6	0.14
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	6	0.14
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	6	0.14
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	6	0.14
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	9	0.14
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	9	0.14
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	9	0.14
(1,2089)	1:255:A:ALA:HB1	1:216:A:TRP:HZ2	9	0.14
(1,2089)	1:255:A:ALA:HB2	1:216:A:TRP:HZ2	9	0.14
(1,2089)	1:255:A:ALA:HB3	1:216:A:TRP:HZ2	9	0.14
(1,2085)	1:241:A:ILE:HD11	1:234:A:TRP:HD1	9	0.14
(1,2085)	1:241:A:ILE:HD12	1:234:A:TRP:HD1	9	0.14
(1,2085)	1:241:A:ILE:HD13	1:234:A:TRP:HD1	9	0.14
(1,2082)	1:234:A:TRP:HE1	1:241:A:ILE:HG12	1	0.14
(1,2082)	1:234:A:TRP:HE1	1:241:A:ILE:HG13	1	0.14
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	13	0.14
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	13	0.14
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	13	0.14
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	13	0.14
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	13	0.14
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	13	0.14
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	14	0.14
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	14	0.14
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	14	0.14
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	14	0.14
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	14	0.14
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	14	0.14
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	6	0.14
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	6	0.14
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	6	0.14
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	6	0.14
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	6	0.14
(1,2050)	1:313:A:LEU:H	1:311:A:LYS:H	5	0.14
(1,2041)	1:310:A:LEU:H	1:307:A:ARG:HA	10	0.14
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	8	0.14
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	8	0.14
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	4	0.14
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	6	0.14
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	7	0.14
(1,2016)	1:303:A:VAL:HG21	1:300:A:VAL:H	15	0.14
(1,2016)	1:303:A:VAL:HG22	1:300:A:VAL:H	15	0.14
(1,2016)	1:303:A:VAL:HG23	1:300:A:VAL:H	15	0.14
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	6	0.14
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	2	0.14
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	2	0.14
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	2	0.14
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	2	0.14
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	2	0.14
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	2	0.14
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	2	0.14
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	14	0.14
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	14	0.14
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	14	0.14
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	14	0.14
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	14	0.14
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	14	0.14
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	2	0.14
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	2	0.14
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	2	0.14
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	2	0.14
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	2	0.14
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	2	0.14
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	5	0.14
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	5	0.14
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	5	0.14
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	5	0.14
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	5	0.14
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	5	0.14
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	4	0.14
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	4	0.14
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD1	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:262:A:LEU:H	1:258:A:PHE:HD2	12	0.14
(1,1920)	1:254:A:VAL:HG21	1:255:A:ALA:H	1	0.14
(1,1920)	1:254:A:VAL:HG22	1:255:A:ALA:H	1	0.14
(1,1920)	1:254:A:VAL:HG23	1:255:A:ALA:H	1	0.14
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	3	0.14
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	3	0.14
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	4	0.14
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	4	0.14
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	3	0.14
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	3	0.14
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	10	0.14
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	7	0.14
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	7	0.14
(1,1876)	1:241:A:ILE:H	1:242:A:VAL:HB	1	0.14
(1,1873)	1:241:A:ILE:H	1:240:A:ASP:H	4	0.14
(1,1858)	1:238:A:SER:H	1:237:A:TYR:H	12	0.14
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	8	0.14
(1,1850)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	8	0.14
(1,1823)	1:229:A:PHE:H	1:226:A:THR:HA	8	0.14
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	3	0.14
(1,1798)	1:224:A:VAL:H	1:222:A:SER:HA	12	0.14
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	3	0.14
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.14
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	7	0.14
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	7	0.14
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	7	0.14
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	14	0.14
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	14	0.14
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	14	0.14
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	14	0.14
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	14	0.14
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	14	0.14
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	7	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	8	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	8	0.14
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	8	0.14
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	8	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	8	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	8	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	12	0.14
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	12	0.14
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	12	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	12	0.14
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	12	0.14
(1,1749)	1:215:A:ALA:H	1:214:A:VAL:HA	12	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB2	9	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB3	9	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB2	15	0.14
(1,1743)	1:214:A:VAL:H	1:213:A:ARG:HB3	15	0.14
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	10	0.14
(1,1733)	1:211:A:THR:HG21	1:208:A:GLU:HA	10	0.14
(1,1733)	1:211:A:THR:HG22	1:208:A:GLU:HA	10	0.14
(1,1733)	1:211:A:THR:HG23	1:208:A:GLU:HA	10	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	3	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	3	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	3	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	6	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	6	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	6	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	10	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	10	0.14
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	10	0.14
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	6	0.14
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	15	0.14
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	15	0.14
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	13	0.14
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	13	0.14
(1,1637)	1:313:A:LEU:H	1:311:A:LYS:H	5	0.14
(1,1628)	1:310:A:LEU:H	1:307:A:ARG:HA	10	0.14
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	8	0.14
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	8	0.14
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	4	0.14
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	6	0.14
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	7	0.14
(1,1603)	1:303:A:VAL:HG21	1:300:A:VAL:H	15	0.14
(1,1603)	1:303:A:VAL:HG22	1:300:A:VAL:H	15	0.14
(1,1603)	1:303:A:VAL:HG23	1:300:A:VAL:H	15	0.14
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	6	0.14
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	2	0.14
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	2	0.14
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	2	0.14
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	2	0.14
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	2	0.14
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	2	0.14
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	14	0.14
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	14	0.14
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	14	0.14
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	14	0.14
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	14	0.14
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	14	0.14
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	2	0.14
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	2	0.14
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	2	0.14
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	2	0.14
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	2	0.14
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	2	0.14
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	5	0.14
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	5	0.14
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	5	0.14
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	5	0.14
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	5	0.14
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	5	0.14
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	4	0.14
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	4	0.14
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD1	12	0.14
(1,1527)	1:262:A:LEU:H	1:258:A:PHE:HD2	12	0.14
(1,1507)	1:254:A:VAL:HG21	1:255:A:ALA:H	1	0.14
(1,1507)	1:254:A:VAL:HG22	1:255:A:ALA:H	1	0.14
(1,1507)	1:254:A:VAL:HG23	1:255:A:ALA:H	1	0.14
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	3	0.14
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	3	0.14
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	4	0.14
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	4	0.14
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	3	0.14
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	3	0.14
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	10	0.14
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	7	0.14
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	7	0.14
(1,1463)	1:241:A:ILE:H	1:242:A:VAL:HB	1	0.14
(1,1460)	1:241:A:ILE:H	1:240:A:ASP:H	4	0.14
(1,1445)	1:238:A:SER:H	1:237:A:TYR:H	12	0.14
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	8	0.14
(1,1437)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	8	0.14
(1,1410)	1:229:A:PHE:H	1:226:A:THR:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	3	0.14
(1,1385)	1:224:A:VAL:H	1:222:A:SER:HA	12	0.14
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	3	0.14
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.14
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	7	0.14
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	7	0.14
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	7	0.14
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	14	0.14
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	14	0.14
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	14	0.14
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	14	0.14
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	14	0.14
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	14	0.14
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	7	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	8	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	8	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	8	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	8	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	8	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	8	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	12	0.14
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	12	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	12	0.14
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	12	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	12	0.14
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	12	0.14
(1,1336)	1:215:A:ALA:H	1:214:A:VAL:HA	12	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB2	9	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB3	9	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB2	15	0.14
(1,1330)	1:214:A:VAL:H	1:213:A:ARG:HB3	15	0.14
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	10	0.14
(1,1320)	1:211:A:THR:HG21	1:208:A:GLU:HA	10	0.14
(1,1320)	1:211:A:THR:HG22	1:208:A:GLU:HA	10	0.14
(1,1320)	1:211:A:THR:HG23	1:208:A:GLU:HA	10	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	3	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	3	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	3	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	6	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	6	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	6	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	10	0.14
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	10	0.14
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	6	0.14
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	15	0.14
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	15	0.14
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	13	0.14
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	13	0.14
(1,1224)	1:313:A:LEU:H	1:311:A:LYS:H	5	0.14
(1,1215)	1:310:A:LEU:H	1:307:A:ARG:HA	10	0.14
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	8	0.14
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	8	0.14
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	4	0.14
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	6	0.14
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	7	0.14
(1,1190)	1:303:A:VAL:HG21	1:300:A:VAL:H	15	0.14
(1,1190)	1:303:A:VAL:HG22	1:300:A:VAL:H	15	0.14
(1,1190)	1:303:A:VAL:HG23	1:300:A:VAL:H	15	0.14
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	6	0.14
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	2	0.14
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	2	0.14
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	2	0.14
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	2	0.14
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	2	0.14
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	2	0.14
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	2	0.14
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	14	0.14
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	14	0.14
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	14	0.14
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	14	0.14
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	14	0.14
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	14	0.14
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	2	0.14
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	2	0.14
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	2	0.14
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	2	0.14
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	2	0.14
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	2	0.14
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	5	0.14
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	5	0.14
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	5	0.14
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	5	0.14
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	5	0.14
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	4	0.14
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	4	0.14
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD1	12	0.14
(1,1114)	1:262:A:LEU:H	1:258:A:PHE:HD2	12	0.14
(1,1094)	1:254:A:VAL:HG21	1:255:A:ALA:H	1	0.14
(1,1094)	1:254:A:VAL:HG22	1:255:A:ALA:H	1	0.14
(1,1094)	1:254:A:VAL:HG23	1:255:A:ALA:H	1	0.14
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	3	0.14
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	3	0.14
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	4	0.14
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	4	0.14
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	3	0.14
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	3	0.14
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	10	0.14
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	7	0.14
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	7	0.14
(1,1050)	1:241:A:ILE:H	1:242:A:VAL:HB	1	0.14
(1,1047)	1:241:A:ILE:H	1:240:A:ASP:H	4	0.14
(1,1032)	1:238:A:SER:H	1:237:A:TYR:H	12	0.14
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	8	0.14
(1,1024)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	8	0.14
(1,997)	1:229:A:PHE:H	1:226:A:THR:HA	8	0.14
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	3	0.14
(1,972)	1:224:A:VAL:H	1:222:A:SER:HA	12	0.14
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	3	0.14
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.14
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	7	0.14
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	7	0.14
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	7	0.14
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	14	0.14
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	14	0.14
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	14	0.14
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	14	0.14
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	14	0.14
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	14	0.14
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	7	0.14
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	8	0.14
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	8	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	8	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	8	0.14
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	8	0.14
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	12	0.14
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	12	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	12	0.14
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	12	0.14
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	12	0.14
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	12	0.14
(1,923)	1:215:A:ALA:H	1:214:A:VAL:HA	12	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB2	9	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB3	9	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB2	15	0.14
(1,917)	1:214:A:VAL:H	1:213:A:ARG:HB3	15	0.14
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	10	0.14
(1,907)	1:211:A:THR:HG21	1:208:A:GLU:HA	10	0.14
(1,907)	1:211:A:THR:HG22	1:208:A:GLU:HA	10	0.14
(1,907)	1:211:A:THR:HG23	1:208:A:GLU:HA	10	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	3	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	3	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	3	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	6	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	6	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	6	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	10	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	10	0.14
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	10	0.14
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	6	0.14
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	15	0.14
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	15	0.14
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	13	0.14
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	13	0.14
(1,811)	1:313:A:LEU:H	1:311:A:LYS:H	5	0.14
(1,802)	1:310:A:LEU:H	1:307:A:ARG:HA	10	0.14
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	8	0.14
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	8	0.14
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	4	0.14
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	6	0.14
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	7	0.14
(1,777)	1:303:A:VAL:HG21	1:300:A:VAL:H	15	0.14
(1,777)	1:303:A:VAL:HG22	1:300:A:VAL:H	15	0.14
(1,777)	1:303:A:VAL:HG23	1:300:A:VAL:H	15	0.14
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	6	0.14
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	2	0.14
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	2	0.14
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	2	0.14
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	2	0.14
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	2	0.14
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	2	0.14
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	14	0.14
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	14	0.14
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	14	0.14
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	14	0.14
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	14	0.14
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	14	0.14
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	2	0.14
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	2	0.14
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	2	0.14
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	2	0.14
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	2	0.14
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	2	0.14
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	5	0.14
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	5	0.14
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	5	0.14
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	5	0.14
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	5	0.14
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	5	0.14
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	4	0.14
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	4	0.14
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD1	12	0.14
(1,701)	1:262:A:LEU:H	1:258:A:PHE:HD2	12	0.14
(1,681)	1:254:A:VAL:HG21	1:255:A:ALA:H	1	0.14
(1,681)	1:254:A:VAL:HG22	1:255:A:ALA:H	1	0.14
(1,681)	1:254:A:VAL:HG23	1:255:A:ALA:H	1	0.14
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	3	0.14
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	3	0.14
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	4	0.14
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	4	0.14
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	3	0.14
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	3	0.14
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	10	0.14
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	7	0.14
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	7	0.14
(1,637)	1:241:A:ILE:H	1:242:A:VAL:HB	1	0.14
(1,634)	1:241:A:ILE:H	1:240:A:ASP:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:238:A:SER:H	1:237:A:TYR:H	12	0.14
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	8	0.14
(1,611)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	8	0.14
(1,584)	1:229:A:PHE:H	1:226:A:THR:HA	8	0.14
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	3	0.14
(1,559)	1:224:A:VAL:H	1:222:A:SER:HA	12	0.14
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	3	0.14
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.14
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	7	0.14
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	7	0.14
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	7	0.14
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	14	0.14
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	14	0.14
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	14	0.14
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	14	0.14
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	14	0.14
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	14	0.14
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	7	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	8	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	8	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	8	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	8	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	8	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	8	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	12	0.14
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	12	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	12	0.14
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	12	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	12	0.14
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	12	0.14
(1,510)	1:215:A:ALA:H	1:214:A:VAL:HA	12	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB2	9	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB3	9	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB2	15	0.14
(1,504)	1:214:A:VAL:H	1:213:A:ARG:HB3	15	0.14
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	10	0.14
(1,494)	1:211:A:THR:HG21	1:208:A:GLU:HA	10	0.14
(1,494)	1:211:A:THR:HG22	1:208:A:GLU:HA	10	0.14
(1,494)	1:211:A:THR:HG23	1:208:A:GLU:HA	10	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	3	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	3	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	6	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	6	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	6	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	10	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	10	0.14
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	10	0.14
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	6	0.14
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	15	0.14
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	15	0.14
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	13	0.14
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	13	0.14
(1,398)	1:313:A:LEU:H	1:311:A:LYS:H	5	0.14
(1,389)	1:310:A:LEU:H	1:307:A:ARG:HA	10	0.14
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	8	0.14
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	8	0.14
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	4	0.14
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	6	0.14
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	7	0.14
(1,364)	1:303:A:VAL:HG21	1:300:A:VAL:H	15	0.14
(1,364)	1:303:A:VAL:HG22	1:300:A:VAL:H	15	0.14
(1,364)	1:303:A:VAL:HG23	1:300:A:VAL:H	15	0.14
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	6	0.14
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	2	0.14
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	2	0.14
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	2	0.14
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	2	0.14
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	2	0.14
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	2	0.14
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	2	0.14
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	14	0.14
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	14	0.14
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	14	0.14
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	14	0.14
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	14	0.14
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	14	0.14
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	2	0.14
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	2	0.14
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	2	0.14
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	2	0.14
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	2	0.14
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	2	0.14
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	5	0.14
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	5	0.14
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	5	0.14
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	5	0.14
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	5	0.14
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	4	0.14
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	4	0.14
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD1	12	0.14
(1,288)	1:262:A:LEU:H	1:258:A:PHE:HD2	12	0.14
(1,268)	1:254:A:VAL:HG21	1:255:A:ALA:H	1	0.14
(1,268)	1:254:A:VAL:HG22	1:255:A:ALA:H	1	0.14
(1,268)	1:254:A:VAL:HG23	1:255:A:ALA:H	1	0.14
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	3	0.14
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	3	0.14
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	4	0.14
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	4	0.14
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	3	0.14
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	3	0.14
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	10	0.14
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	7	0.14
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	7	0.14
(1,224)	1:241:A:ILE:H	1:242:A:VAL:HB	1	0.14
(1,221)	1:241:A:ILE:H	1:240:A:ASP:H	4	0.14
(1,206)	1:238:A:SER:H	1:237:A:TYR:H	12	0.14
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG2	8	0.14
(1,198)	1:235:A:TRP:HE1	1:231:A:ARG:HG3	8	0.14
(1,171)	1:229:A:PHE:H	1:226:A:THR:HA	8	0.14
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	3	0.14
(1,146)	1:224:A:VAL:H	1:222:A:SER:HA	12	0.14
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	3	0.14
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	11	0.14
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	7	0.14
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	7	0.14
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	7	0.14
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	14	0.14
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	14	0.14
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	14	0.14
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	14	0.14
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	14	0.14
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	14	0.14
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	7	0.14
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	8	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	8	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	8	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	8	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	8	0.14
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	12	0.14
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	12	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	12	0.14
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	12	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	12	0.14
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	12	0.14
(1,97)	1:215:A:ALA:H	1:214:A:VAL:HA	12	0.14
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB2	9	0.14
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB3	9	0.14
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB2	15	0.14
(1,91)	1:214:A:VAL:H	1:213:A:ARG:HB3	15	0.14
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	10	0.14
(1,81)	1:211:A:THR:HG21	1:208:A:GLU:HA	10	0.14
(1,81)	1:211:A:THR:HG22	1:208:A:GLU:HA	10	0.14
(1,81)	1:211:A:THR:HG23	1:208:A:GLU:HA	10	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	3	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	3	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	3	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	6	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	6	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	6	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	10	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	10	0.14
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	10	0.14
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	6	0.14
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	15	0.14
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	15	0.14
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	13	0.14
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	13	0.14
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	14	0.13
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	14	0.13
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	14	0.13
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	10	0.13
(1,2197)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	10	0.13
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	10	0.13
(1,2197)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	10	0.13
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	10	0.13
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	13	0.13
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	13	0.13
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	13	0.13
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	13	0.13
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	13	0.13
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	13	0.13
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	8	0.13
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	8	0.13
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	8	0.13
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	8	0.13
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	8	0.13
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	8	0.13
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD2	1	0.13
(1,2182)	1:191:A:THR:HG21	1:298:A:ARG:HD3	1	0.13
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD2	1	0.13
(1,2182)	1:191:A:THR:HG22	1:298:A:ARG:HD3	1	0.13
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD2	1	0.13
(1,2182)	1:191:A:THR:HG23	1:298:A:ARG:HD3	1	0.13
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	14	0.13
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	14	0.13
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	14	0.13
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	10	0.13
(1,2168)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	10	0.13
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	10	0.13
(1,2168)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	10	0.13
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	10	0.13
(1,2168)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	10	0.13
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	13	0.13
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	13	0.13
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	13	0.13
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	13	0.13
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	13	0.13
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	13	0.13
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	8	0.13
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	8	0.13
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	8	0.13
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	8	0.13
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	8	0.13
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	8	0.13
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD2	1	0.13
(1,2153)	1:191:A:THR:HG21	1:298:A:ARG:HD3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD2	1	0.13
(1,2153)	1:191:A:THR:HG22	1:298:A:ARG:HD3	1	0.13
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD2	1	0.13
(1,2153)	1:191:A:THR:HG23	1:298:A:ARG:HD3	1	0.13
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	14	0.13
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	14	0.13
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	14	0.13
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	10	0.13
(1,2139)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	10	0.13
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	10	0.13
(1,2139)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	10	0.13
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	10	0.13
(1,2139)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	10	0.13
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	13	0.13
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	13	0.13
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	13	0.13
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	13	0.13
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	13	0.13
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	13	0.13
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	8	0.13
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	8	0.13
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	8	0.13
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	8	0.13
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	8	0.13
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	8	0.13
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD2	1	0.13
(1,2124)	1:191:A:THR:HG21	1:298:A:ARG:HD3	1	0.13
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD2	1	0.13
(1,2124)	1:191:A:THR:HG22	1:298:A:ARG:HD3	1	0.13
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD2	1	0.13
(1,2124)	1:191:A:THR:HG23	1:298:A:ARG:HD3	1	0.13
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	14	0.13
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	14	0.13
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	14	0.13
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	10	0.13
(1,2110)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	10	0.13
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	10	0.13
(1,2110)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	10	0.13
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	10	0.13
(1,2110)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	10	0.13
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	13	0.13
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	13	0.13
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	13	0.13
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	13	0.13
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	13	0.13
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	8	0.13
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	8	0.13
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	8	0.13
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	8	0.13
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	8	0.13
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	8	0.13
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD2	1	0.13
(1,2095)	1:191:A:THR:HG21	1:298:A:ARG:HD3	1	0.13
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD2	1	0.13
(1,2095)	1:191:A:THR:HG22	1:298:A:ARG:HD3	1	0.13
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD2	1	0.13
(1,2095)	1:191:A:THR:HG23	1:298:A:ARG:HD3	1	0.13
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	14	0.13
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	14	0.13
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	14	0.13
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD2	10	0.13
(1,2081)	1:228:A:LEU:HD21	1:244:A:PRO:HD3	10	0.13
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD2	10	0.13
(1,2081)	1:228:A:LEU:HD22	1:244:A:PRO:HD3	10	0.13
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD2	10	0.13
(1,2081)	1:228:A:LEU:HD23	1:244:A:PRO:HD3	10	0.13
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	13	0.13
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	13	0.13
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	13	0.13
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	13	0.13
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	13	0.13
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	13	0.13
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	8	0.13
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	8	0.13
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	8	0.13
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	8	0.13
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	8	0.13
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	8	0.13
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD2	1	0.13
(1,2066)	1:191:A:THR:HG21	1:298:A:ARG:HD3	1	0.13
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD2	1	0.13
(1,2066)	1:191:A:THR:HG22	1:298:A:ARG:HD3	1	0.13
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD2	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:191:A:THR:HG23	1:298:A:ARG:HD3	1	0.13
(1,2046)	1:312:A:ARG:H	1:310:A:LEU:H	5	0.13
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	1	0.13
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	2	0.13
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	3	0.13
(1,1996)	1:299:A:LEU:HD21	1:300:A:VAL:HA	15	0.13
(1,1996)	1:299:A:LEU:HD22	1:300:A:VAL:HA	15	0.13
(1,1996)	1:299:A:LEU:HD23	1:300:A:VAL:HA	15	0.13
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	1	0.13
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	1	0.13
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	2	0.13
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	2	0.13
(1,1914)	1:250:A:THR:HG21	1:249:A:ALA:H	12	0.13
(1,1914)	1:250:A:THR:HG22	1:249:A:ALA:H	12	0.13
(1,1914)	1:250:A:THR:HG23	1:249:A:ALA:H	12	0.13
(1,1911)	1:247:A:TYR:H	1:247:A:TYR:HB3	11	0.13
(1,1904)	1:243:A:GLU:H	1:243:A:GLU:HB2	8	0.13
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	3	0.13
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	5	0.13
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	7	0.13
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	15	0.13
(1,1876)	1:241:A:ILE:H	1:242:A:VAL:HB	14	0.13
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB2	6	0.13
(1,1866)	1:240:A:ASP:H	1:238:A:SER:HB3	6	0.13
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	11	0.13
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	11	0.13
(1,1844)	1:234:A:TRP:H	1:233:A:THR:HB	10	0.13
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.13
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	6	0.13
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	6	0.13
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	6	0.13
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	6	0.13
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	6	0.13
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	6	0.13
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	1	0.13
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	6	0.13
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	8	0.13
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	8	0.13
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	14	0.13
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	14	0.13
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	5	0.13
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	5	0.13
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	5	0.13
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	5	0.13
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	5	0.13
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	10	0.13
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	10	0.13
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	10	0.13
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	10	0.13
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	10	0.13
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	10	0.13
(1,1740)	1:214:A:VAL:H	1:210:A:HIS:HD2	6	0.13
(1,1715)	1:197:A:HIS:H	1:195:A:PRO:HA	4	0.13
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	11	0.13
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	8	0.13
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	12	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	9	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD11	10	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD12	10	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD13	10	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD21	10	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD22	10	0.13
(1,1704)	1:194:A:ALA:H	1:193:A:LEU:HD23	10	0.13
(1,1703)	1:194:A:ALA:H	1:193:A:LEU:HA	7	0.13
(1,1702)	1:193:A:LEU:HD21	1:190:A:GLU:HA	9	0.13
(1,1702)	1:193:A:LEU:HD22	1:190:A:GLU:HA	9	0.13
(1,1702)	1:193:A:LEU:HD23	1:190:A:GLU:HA	9	0.13
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	1	0.13
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	1	0.13
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	3	0.13
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	3	0.13
(1,1666)	1:184:A:LEU:HD21	1:181:A:LYS:HA	12	0.13
(1,1666)	1:184:A:LEU:HD22	1:181:A:LYS:HA	12	0.13
(1,1666)	1:184:A:LEU:HD23	1:181:A:LYS:HA	12	0.13
(1,1633)	1:312:A:ARG:H	1:310:A:LEU:H	5	0.13
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	1	0.13
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	2	0.13
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:299:A:LEU:HD21	1:300:A:VAL:HA	15	0.13
(1,1583)	1:299:A:LEU:HD22	1:300:A:VAL:HA	15	0.13
(1,1583)	1:299:A:LEU:HD23	1:300:A:VAL:HA	15	0.13
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	1	0.13
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	1	0.13
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	2	0.13
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	2	0.13
(1,1501)	1:250:A:THR:HG21	1:249:A:ALA:H	12	0.13
(1,1501)	1:250:A:THR:HG22	1:249:A:ALA:H	12	0.13
(1,1501)	1:250:A:THR:HG23	1:249:A:ALA:H	12	0.13
(1,1498)	1:247:A:TYR:H	1:247:A:TYR:HB3	11	0.13
(1,1491)	1:243:A:GLU:H	1:243:A:GLU:HB2	8	0.13
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	3	0.13
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	5	0.13
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	7	0.13
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	15	0.13
(1,1463)	1:241:A:ILE:H	1:242:A:VAL:HB	14	0.13
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB2	6	0.13
(1,1453)	1:240:A:ASP:H	1:238:A:SER:HB3	6	0.13
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	11	0.13
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	11	0.13
(1,1431)	1:234:A:TRP:H	1:233:A:THR:HB	10	0.13
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.13
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	6	0.13
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	6	0.13
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	6	0.13
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	6	0.13
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	6	0.13
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	6	0.13
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	1	0.13
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	6	0.13
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	8	0.13
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	8	0.13
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	14	0.13
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	14	0.13
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	5	0.13
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	5	0.13
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	5	0.13
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	5	0.13
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	5	0.13
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	5	0.13
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	10	0.13
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	10	0.13
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	10	0.13
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	10	0.13
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	10	0.13
(1,1327)	1:214:A:VAL:H	1:210:A:HIS:HD2	6	0.13
(1,1302)	1:197:A:HIS:H	1:195:A:PRO:HA	4	0.13
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	11	0.13
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	8	0.13
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	12	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	9	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD11	10	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD12	10	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD13	10	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD21	10	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD22	10	0.13
(1,1291)	1:194:A:ALA:H	1:193:A:LEU:HD23	10	0.13
(1,1290)	1:194:A:ALA:H	1:193:A:LEU:HA	7	0.13
(1,1289)	1:193:A:LEU:HD21	1:190:A:GLU:HA	9	0.13
(1,1289)	1:193:A:LEU:HD22	1:190:A:GLU:HA	9	0.13
(1,1289)	1:193:A:LEU:HD23	1:190:A:GLU:HA	9	0.13
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	1	0.13
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	1	0.13
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	3	0.13
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	3	0.13
(1,1253)	1:184:A:LEU:HD21	1:181:A:LYS:HA	12	0.13
(1,1253)	1:184:A:LEU:HD22	1:181:A:LYS:HA	12	0.13
(1,1253)	1:184:A:LEU:HD23	1:181:A:LYS:HA	12	0.13
(1,1220)	1:312:A:ARG:H	1:310:A:LEU:H	5	0.13
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	1	0.13
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	2	0.13
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	3	0.13
(1,1170)	1:299:A:LEU:HD21	1:300:A:VAL:HA	15	0.13
(1,1170)	1:299:A:LEU:HD22	1:300:A:VAL:HA	15	0.13
(1,1170)	1:299:A:LEU:HD23	1:300:A:VAL:HA	15	0.13
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	1	0.13
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	2	0.13
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	2	0.13
(1,1088)	1:250:A:THR:HG21	1:249:A:ALA:H	12	0.13
(1,1088)	1:250:A:THR:HG22	1:249:A:ALA:H	12	0.13
(1,1088)	1:250:A:THR:HG23	1:249:A:ALA:H	12	0.13
(1,1085)	1:247:A:TYR:H	1:247:A:TYR:HB3	11	0.13
(1,1078)	1:243:A:GLU:H	1:243:A:GLU:HB2	8	0.13
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	3	0.13
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	5	0.13
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	7	0.13
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	15	0.13
(1,1050)	1:241:A:ILE:H	1:242:A:VAL:HB	14	0.13
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB2	6	0.13
(1,1040)	1:240:A:ASP:H	1:238:A:SER:HB3	6	0.13
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	11	0.13
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	11	0.13
(1,1018)	1:234:A:TRP:H	1:233:A:THR:HB	10	0.13
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.13
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	6	0.13
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	6	0.13
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	6	0.13
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	6	0.13
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	6	0.13
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	6	0.13
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	1	0.13
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	6	0.13
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	8	0.13
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	8	0.13
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	14	0.13
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	14	0.13
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	5	0.13
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	5	0.13
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	5	0.13
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	5	0.13
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	5	0.13
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	5	0.13
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	10	0.13
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	10	0.13
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	10	0.13
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	10	0.13
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	10	0.13
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:214:A:VAL:H	1:210:A:HIS:HD2	6	0.13
(1,889)	1:197:A:HIS:H	1:195:A:PRO:HA	4	0.13
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	11	0.13
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	8	0.13
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	12	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	9	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD11	10	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD12	10	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD13	10	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD21	10	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD22	10	0.13
(1,878)	1:194:A:ALA:H	1:193:A:LEU:HD23	10	0.13
(1,877)	1:194:A:ALA:H	1:193:A:LEU:HA	7	0.13
(1,876)	1:193:A:LEU:HD21	1:190:A:GLU:HA	9	0.13
(1,876)	1:193:A:LEU:HD22	1:190:A:GLU:HA	9	0.13
(1,876)	1:193:A:LEU:HD23	1:190:A:GLU:HA	9	0.13
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	1	0.13
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	1	0.13
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	3	0.13
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	3	0.13
(1,840)	1:184:A:LEU:HD21	1:181:A:LYS:HA	12	0.13
(1,840)	1:184:A:LEU:HD22	1:181:A:LYS:HA	12	0.13
(1,840)	1:184:A:LEU:HD23	1:181:A:LYS:HA	12	0.13
(1,807)	1:312:A:ARG:H	1:310:A:LEU:H	5	0.13
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	1	0.13
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	2	0.13
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	3	0.13
(1,757)	1:299:A:LEU:HD21	1:300:A:VAL:HA	15	0.13
(1,757)	1:299:A:LEU:HD22	1:300:A:VAL:HA	15	0.13
(1,757)	1:299:A:LEU:HD23	1:300:A:VAL:HA	15	0.13
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	1	0.13
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	1	0.13
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	2	0.13
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	2	0.13
(1,675)	1:250:A:THR:HG21	1:249:A:ALA:H	12	0.13
(1,675)	1:250:A:THR:HG22	1:249:A:ALA:H	12	0.13
(1,675)	1:250:A:THR:HG23	1:249:A:ALA:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:247:A:TYR:H	1:247:A:TYR:HB3	11	0.13
(1,665)	1:243:A:GLU:H	1:243:A:GLU:HB2	8	0.13
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	3	0.13
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	5	0.13
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	7	0.13
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	15	0.13
(1,637)	1:241:A:ILE:H	1:242:A:VAL:HB	14	0.13
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB2	6	0.13
(1,627)	1:240:A:ASP:H	1:238:A:SER:HB3	6	0.13
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	11	0.13
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	11	0.13
(1,605)	1:234:A:TRP:H	1:233:A:THR:HB	10	0.13
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.13
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	6	0.13
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	6	0.13
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	6	0.13
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	6	0.13
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	6	0.13
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	6	0.13
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	1	0.13
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	6	0.13
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	8	0.13
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	8	0.13
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	14	0.13
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	14	0.13
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	5	0.13
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	5	0.13
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	5	0.13
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	5	0.13
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	5	0.13
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	5	0.13
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	10	0.13
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	10	0.13
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	10	0.13
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	10	0.13
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	10	0.13
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	10	0.13
(1,501)	1:214:A:VAL:H	1:210:A:HIS:HD2	6	0.13
(1,476)	1:197:A:HIS:H	1:195:A:PRO:HA	4	0.13
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	11	0.13
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	8	0.13
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	9	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD11	10	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD12	10	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD13	10	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD21	10	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD22	10	0.13
(1,465)	1:194:A:ALA:H	1:193:A:LEU:HD23	10	0.13
(1,464)	1:194:A:ALA:H	1:193:A:LEU:HA	7	0.13
(1,463)	1:193:A:LEU:HD21	1:190:A:GLU:HA	9	0.13
(1,463)	1:193:A:LEU:HD22	1:190:A:GLU:HA	9	0.13
(1,463)	1:193:A:LEU:HD23	1:190:A:GLU:HA	9	0.13
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	1	0.13
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	1	0.13
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	3	0.13
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	3	0.13
(1,427)	1:184:A:LEU:HD21	1:181:A:LYS:HA	12	0.13
(1,427)	1:184:A:LEU:HD22	1:181:A:LYS:HA	12	0.13
(1,427)	1:184:A:LEU:HD23	1:181:A:LYS:HA	12	0.13
(1,394)	1:312:A:ARG:H	1:310:A:LEU:H	5	0.13
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	1	0.13
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	2	0.13
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	3	0.13
(1,344)	1:299:A:LEU:HD21	1:300:A:VAL:HA	15	0.13
(1,344)	1:299:A:LEU:HD22	1:300:A:VAL:HA	15	0.13
(1,344)	1:299:A:LEU:HD23	1:300:A:VAL:HA	15	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	1	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	1	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	2	0.13
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	2	0.13
(1,262)	1:250:A:THR:HG21	1:249:A:ALA:H	12	0.13
(1,262)	1:250:A:THR:HG22	1:249:A:ALA:H	12	0.13
(1,262)	1:250:A:THR:HG23	1:249:A:ALA:H	12	0.13
(1,259)	1:247:A:TYR:H	1:247:A:TYR:HB3	11	0.13
(1,252)	1:243:A:GLU:H	1:243:A:GLU:HB2	8	0.13
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	3	0.13
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	5	0.13
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	15	0.13
(1,224)	1:241:A:ILE:H	1:242:A:VAL:HB	14	0.13
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB2	6	0.13
(1,214)	1:240:A:ASP:H	1:238:A:SER:HB3	6	0.13
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	11	0.13
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	11	0.13
(1,192)	1:234:A:TRP:H	1:233:A:THR:HB	10	0.13
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	15	0.13
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	6	0.13
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	6	0.13
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	6	0.13
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	6	0.13
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	6	0.13
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	6	0.13
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	1	0.13
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	6	0.13
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	8	0.13
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	8	0.13
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	14	0.13
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	14	0.13
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	5	0.13
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	5	0.13
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	5	0.13
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	5	0.13
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	5	0.13
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	5	0.13
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	10	0.13
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	10	0.13
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	10	0.13
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	10	0.13
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	10	0.13
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	10	0.13
(1,88)	1:214:A:VAL:H	1:210:A:HIS:HD2	6	0.13
(1,63)	1:197:A:HIS:H	1:195:A:PRO:HA	4	0.13
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	11	0.13
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	8	0.13
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	12	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	9	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	9	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	9	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	9	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	9	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD11	10	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD12	10	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD13	10	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD21	10	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD22	10	0.13
(1,52)	1:194:A:ALA:H	1:193:A:LEU:HD23	10	0.13
(1,51)	1:194:A:ALA:H	1:193:A:LEU:HA	7	0.13
(1,50)	1:193:A:LEU:HD21	1:190:A:GLU:HA	9	0.13
(1,50)	1:193:A:LEU:HD22	1:190:A:GLU:HA	9	0.13
(1,50)	1:193:A:LEU:HD23	1:190:A:GLU:HA	9	0.13
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	1	0.13
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	1	0.13
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	3	0.13
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	3	0.13
(1,14)	1:184:A:LEU:HD21	1:181:A:LYS:HA	12	0.13
(1,14)	1:184:A:LEU:HD22	1:181:A:LYS:HA	12	0.13
(1,14)	1:184:A:LEU:HD23	1:181:A:LYS:HA	12	0.13
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG11	3	0.12
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG12	3	0.12
(1,2375)	1:300:A:VAL:H	1:300:A:VAL:HG13	3	0.12
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG11	3	0.12
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG12	3	0.12
(1,2374)	1:300:A:VAL:H	1:300:A:VAL:HG13	3	0.12
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG11	3	0.12
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG12	3	0.12
(1,2373)	1:300:A:VAL:H	1:300:A:VAL:HG13	3	0.12
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG11	3	0.12
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG12	3	0.12
(1,2372)	1:300:A:VAL:H	1:300:A:VAL:HG13	3	0.12
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG11	3	0.12
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG12	3	0.12
(1,2371)	1:300:A:VAL:H	1:300:A:VAL:HG13	3	0.12
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	0.12
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	0.12
(1,2310)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	0.12
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	0.12
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	0.12
(1,2310)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	0.12
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	0.12
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	0.12
(1,2310)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	0.12
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	0.12
(1,2309)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	0.12
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	0.12
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	0.12
(1,2309)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	0.12
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	0.12
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	0.12
(1,2309)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	0.12
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	0.12
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	0.12
(1,2308)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	0.12
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	0.12
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	0.12
(1,2308)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	0.12
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	0.12
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	0.12
(1,2308)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	0.12
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	0.12
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	0.12
(1,2307)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	0.12
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	0.12
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	0.12
(1,2307)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	0.12
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	0.12
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	0.12
(1,2307)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	0.12
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG11	13	0.12
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG12	13	0.12
(1,2306)	1:253:A:THR:HG21	1:254:A:VAL:HG13	13	0.12
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG11	13	0.12
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG12	13	0.12
(1,2306)	1:253:A:THR:HG22	1:254:A:VAL:HG13	13	0.12
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG11	13	0.12
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG12	13	0.12
(1,2306)	1:253:A:THR:HG23	1:254:A:VAL:HG13	13	0.12
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	5	0.12
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	5	0.12
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD11	3	0.12
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD12	3	0.12
(1,2208)	1:265:A:GLN:H	1:293:A:ILE:HD13	3	0.12
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.12
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.12
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.12
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.12
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.12
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.12
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.12
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.12
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.12
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.12
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.12
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.12
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	11	0.12
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	11	0.12
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	11	0.12
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	2	0.12
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	9	0.12
(1,2199)	1:239:A:TRP:HE1	1:232:A:LEU:HA	15	0.12
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	15	0.12
(1,2194)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	15	0.12
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	15	0.12
(1,2194)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	15	0.12
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	15	0.12
(1,2194)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	15	0.12
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	6	0.12
(1,2191)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	6	0.12
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	6	0.12
(1,2191)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	6	0.12
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	6	0.12
(1,2191)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	6	0.12
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB2	1	0.12
(1,2190)	1:220:A:ALA:HB1	1:252:A:SER:HB3	1	0.12
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB2	1	0.12
(1,2190)	1:220:A:ALA:HB2	1:252:A:SER:HB3	1	0.12
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:220:A:ALA:HB3	1:252:A:SER:HB3	1	0.12
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	13	0.12
(1,2186)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	13	0.12
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	13	0.12
(1,2186)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	13	0.12
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	13	0.12
(1,2186)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	13	0.12
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD11	3	0.12
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD12	3	0.12
(1,2179)	1:265:A:GLN:H	1:293:A:ILE:HD13	3	0.12
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.12
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.12
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.12
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.12
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.12
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.12
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.12
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.12
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.12
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.12
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.12
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.12
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	11	0.12
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	11	0.12
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	11	0.12
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	2	0.12
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	9	0.12
(1,2170)	1:239:A:TRP:HE1	1:232:A:LEU:HA	15	0.12
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	15	0.12
(1,2165)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	15	0.12
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	15	0.12
(1,2165)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	15	0.12
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	15	0.12
(1,2165)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	15	0.12
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	6	0.12
(1,2162)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	6	0.12
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	6	0.12
(1,2162)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	6	0.12
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	6	0.12
(1,2162)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	6	0.12
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB2	1	0.12
(1,2161)	1:220:A:ALA:HB1	1:252:A:SER:HB3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB2	1	0.12
(1,2161)	1:220:A:ALA:HB2	1:252:A:SER:HB3	1	0.12
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB2	1	0.12
(1,2161)	1:220:A:ALA:HB3	1:252:A:SER:HB3	1	0.12
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	13	0.12
(1,2157)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	13	0.12
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	13	0.12
(1,2157)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	13	0.12
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	13	0.12
(1,2157)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	13	0.12
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD11	3	0.12
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD12	3	0.12
(1,2150)	1:265:A:GLN:H	1:293:A:ILE:HD13	3	0.12
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.12
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.12
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.12
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.12
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.12
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.12
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.12
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.12
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.12
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.12
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.12
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.12
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	11	0.12
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	11	0.12
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	11	0.12
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	2	0.12
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	9	0.12
(1,2141)	1:239:A:TRP:HE1	1:232:A:LEU:HA	15	0.12
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	15	0.12
(1,2136)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	15	0.12
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	15	0.12
(1,2136)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	15	0.12
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	15	0.12
(1,2136)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	15	0.12
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	6	0.12
(1,2133)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	6	0.12
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	6	0.12
(1,2133)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	6	0.12
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	6	0.12
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB2	1	0.12
(1,2132)	1:220:A:ALA:HB1	1:252:A:SER:HB3	1	0.12
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB2	1	0.12
(1,2132)	1:220:A:ALA:HB2	1:252:A:SER:HB3	1	0.12
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB2	1	0.12
(1,2132)	1:220:A:ALA:HB3	1:252:A:SER:HB3	1	0.12
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	13	0.12
(1,2128)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	13	0.12
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	13	0.12
(1,2128)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	13	0.12
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	13	0.12
(1,2128)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	13	0.12
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD11	3	0.12
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD12	3	0.12
(1,2121)	1:265:A:GLN:H	1:293:A:ILE:HD13	3	0.12
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.12
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.12
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.12
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.12
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.12
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.12
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.12
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.12
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.12
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.12
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.12
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.12
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	11	0.12
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	11	0.12
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	11	0.12
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	2	0.12
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	9	0.12
(1,2112)	1:239:A:TRP:HE1	1:232:A:LEU:HA	15	0.12
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	15	0.12
(1,2107)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	15	0.12
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	15	0.12
(1,2107)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	15	0.12
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	15	0.12
(1,2107)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	15	0.12
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	6	0.12
(1,2104)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	6	0.12
(1,2104)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	6	0.12
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	6	0.12
(1,2104)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	6	0.12
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB2	1	0.12
(1,2103)	1:220:A:ALA:HB1	1:252:A:SER:HB3	1	0.12
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB2	1	0.12
(1,2103)	1:220:A:ALA:HB2	1:252:A:SER:HB3	1	0.12
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB2	1	0.12
(1,2103)	1:220:A:ALA:HB3	1:252:A:SER:HB3	1	0.12
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	13	0.12
(1,2099)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	13	0.12
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	13	0.12
(1,2099)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	13	0.12
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	13	0.12
(1,2099)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	13	0.12
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD11	3	0.12
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD12	3	0.12
(1,2092)	1:265:A:GLN:H	1:293:A:ILE:HD13	3	0.12
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	9	0.12
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	9	0.12
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	9	0.12
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	9	0.12
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	9	0.12
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	9	0.12
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	9	0.12
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	9	0.12
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	9	0.12
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	7	0.12
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	7	0.12
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	7	0.12
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	11	0.12
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	11	0.12
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	11	0.12
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	2	0.12
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	9	0.12
(1,2083)	1:239:A:TRP:HE1	1:232:A:LEU:HA	15	0.12
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE1	15	0.12
(1,2078)	1:224:A:VAL:HG21	1:248:A:PHE:HE2	15	0.12
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE1	15	0.12
(1,2078)	1:224:A:VAL:HG22	1:248:A:PHE:HE2	15	0.12
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE1	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:224:A:VAL:HG23	1:248:A:PHE:HE2	15	0.12
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA2	6	0.12
(1,2075)	1:214:A:VAL:HG21	1:259:A:GLY:HA3	6	0.12
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA2	6	0.12
(1,2075)	1:214:A:VAL:HG22	1:259:A:GLY:HA3	6	0.12
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA2	6	0.12
(1,2075)	1:214:A:VAL:HG23	1:259:A:GLY:HA3	6	0.12
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB2	1	0.12
(1,2074)	1:220:A:ALA:HB1	1:252:A:SER:HB3	1	0.12
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB2	1	0.12
(1,2074)	1:220:A:ALA:HB2	1:252:A:SER:HB3	1	0.12
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB2	1	0.12
(1,2074)	1:220:A:ALA:HB3	1:252:A:SER:HB3	1	0.12
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB2	13	0.12
(1,2070)	1:209:A:ALA:HB1	1:266:A:GLN:HB3	13	0.12
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB2	13	0.12
(1,2070)	1:209:A:ALA:HB2	1:266:A:GLN:HB3	13	0.12
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB2	13	0.12
(1,2070)	1:209:A:ALA:HB3	1:266:A:GLN:HB3	13	0.12
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	1	0.12
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	1	0.12
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	1	0.12
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	1	0.12
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	1	0.12
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	1	0.12
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	9	0.12
(1,2053)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	9	0.12
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	9	0.12
(1,2053)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	9	0.12
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	9	0.12
(1,2053)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	9	0.12
(1,2049)	1:313:A:LEU:H	1:315:A:ASP:H	12	0.12
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	14	0.12
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	5	0.12
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	5	0.12
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	1	0.12
(1,2016)	1:303:A:VAL:HG21	1:300:A:VAL:H	6	0.12
(1,2016)	1:303:A:VAL:HG22	1:300:A:VAL:H	6	0.12
(1,2016)	1:303:A:VAL:HG23	1:300:A:VAL:H	6	0.12
(1,1997)	1:300:A:VAL:H	1:299:A:LEU:H	7	0.12
(1,1995)	1:299:A:LEU:HD21	1:300:A:VAL:H	8	0.12
(1,1995)	1:299:A:LEU:HD22	1:300:A:VAL:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:299:A:LEU:HD23	1:300:A:VAL:H	8	0.12
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	14	0.12
(1,1965)	1:273:A:ALA:HB1	1:274:A:ARG:H	13	0.12
(1,1965)	1:273:A:ALA:HB2	1:274:A:ARG:H	13	0.12
(1,1965)	1:273:A:ALA:HB3	1:274:A:ARG:H	13	0.12
(1,1953)	1:266:A:GLN:H	1:265:A:GLN:H	15	0.12
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	4	0.12
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	4	0.12
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	4	0.12
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	4	0.12
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	4	0.12
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	4	0.12
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.12
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.12
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE1	12	0.12
(1,1942)	1:262:A:LEU:H	1:261:A:TYR:HE2	12	0.12
(1,1928)	1:257:A:THR:H	1:260:A:TYR:HH	2	0.12
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	13	0.12
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	13	0.12
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	1	0.12
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	1	0.12
(1,1905)	1:245:A:VAL:H	1:247:A:TYR:HH	5	0.12
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	9	0.12
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	9	0.12
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	1	0.12
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	1	0.12
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	7	0.12
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	7	0.12
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	7	0.12
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	8	0.12
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.12
(1,1813)	1:227:A:GLY:H	1:226:A:THR:HA	4	0.12
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB2	13	0.12
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB3	13	0.12
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	9	0.12
(1,1792)	1:223:A:GLY:H	1:220:A:ALA:HA	13	0.12
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	10	0.12
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA2	3	0.12
(1,1771)	1:219:A:PHE:H	1:218:A:GLY:HA3	3	0.12
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	7	0.12
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	7	0.12
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	7	0.12
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	7	0.12
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	7	0.12
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	7	0.12
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	14	0.12
(1,1715)	1:197:A:HIS:H	1:195:A:PRO:HA	15	0.12
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	4	0.12
(1,1713)	1:197:A:HIS:H	1:194:A:ALA:HA	7	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	3	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	3	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	6	0.12
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	6	0.12
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB2	1	0.12
(1,1674)	1:187:A:GLU:H	1:186:A:LEU:HB3	1	0.12
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	1	0.12
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	7	0.12
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	12	0.12
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	1	0.12
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	1	0.12
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	1	0.12
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	1	0.12
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	1	0.12
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	1	0.12
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	9	0.12
(1,1640)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	9	0.12
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	9	0.12
(1,1640)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	9	0.12
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	9	0.12
(1,1640)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	9	0.12
(1,1636)	1:313:A:LEU:H	1:315:A:ASP:H	12	0.12
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	14	0.12
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	5	0.12
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	5	0.12
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	1	0.12
(1,1603)	1:303:A:VAL:HG21	1:300:A:VAL:H	6	0.12
(1,1603)	1:303:A:VAL:HG22	1:300:A:VAL:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:303:A:VAL:HG23	1:300:A:VAL:H	6	0.12
(1,1584)	1:300:A:VAL:H	1:299:A:LEU:H	7	0.12
(1,1582)	1:299:A:LEU:HD21	1:300:A:VAL:H	8	0.12
(1,1582)	1:299:A:LEU:HD22	1:300:A:VAL:H	8	0.12
(1,1582)	1:299:A:LEU:HD23	1:300:A:VAL:H	8	0.12
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	14	0.12
(1,1552)	1:273:A:ALA:HB1	1:274:A:ARG:H	13	0.12
(1,1552)	1:273:A:ALA:HB2	1:274:A:ARG:H	13	0.12
(1,1552)	1:273:A:ALA:HB3	1:274:A:ARG:H	13	0.12
(1,1540)	1:266:A:GLN:H	1:265:A:GLN:H	15	0.12
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	4	0.12
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	4	0.12
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	4	0.12
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	4	0.12
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	4	0.12
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	4	0.12
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.12
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.12
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE1	12	0.12
(1,1529)	1:262:A:LEU:H	1:261:A:TYR:HE2	12	0.12
(1,1515)	1:257:A:THR:H	1:260:A:TYR:HH	2	0.12
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	13	0.12
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	13	0.12
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	1	0.12
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	1	0.12
(1,1492)	1:245:A:VAL:H	1:247:A:TYR:HH	5	0.12
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	9	0.12
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	9	0.12
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	1	0.12
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	1	0.12
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	7	0.12
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	7	0.12
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	7	0.12
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	8	0.12
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.12
(1,1400)	1:227:A:GLY:H	1:226:A:THR:HA	4	0.12
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB2	13	0.12
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB3	13	0.12
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	9	0.12
(1,1379)	1:223:A:GLY:H	1:220:A:ALA:HA	13	0.12
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA2	3	0.12
(1,1358)	1:219:A:PHE:H	1:218:A:GLY:HA3	3	0.12
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	7	0.12
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	7	0.12
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	7	0.12
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	7	0.12
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	7	0.12
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	7	0.12
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	14	0.12
(1,1302)	1:197:A:HIS:H	1:195:A:PRO:HA	15	0.12
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	4	0.12
(1,1300)	1:197:A:HIS:H	1:194:A:ALA:HA	7	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	3	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	3	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	6	0.12
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	6	0.12
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB2	1	0.12
(1,1261)	1:187:A:GLU:H	1:186:A:LEU:HB3	1	0.12
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	1	0.12
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	7	0.12
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	12	0.12
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	1	0.12
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	1	0.12
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	1	0.12
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	1	0.12
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	1	0.12
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	1	0.12
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	9	0.12
(1,1227)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	9	0.12
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	9	0.12
(1,1227)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	9	0.12
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	9	0.12
(1,1227)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	9	0.12
(1,1223)	1:313:A:LEU:H	1:315:A:ASP:H	12	0.12
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	14	0.12
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	5	0.12
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	1	0.12
(1,1190)	1:303:A:VAL:HG21	1:300:A:VAL:H	6	0.12
(1,1190)	1:303:A:VAL:HG22	1:300:A:VAL:H	6	0.12
(1,1190)	1:303:A:VAL:HG23	1:300:A:VAL:H	6	0.12
(1,1171)	1:300:A:VAL:H	1:299:A:LEU:H	7	0.12
(1,1169)	1:299:A:LEU:HD21	1:300:A:VAL:H	8	0.12
(1,1169)	1:299:A:LEU:HD22	1:300:A:VAL:H	8	0.12
(1,1169)	1:299:A:LEU:HD23	1:300:A:VAL:H	8	0.12
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	14	0.12
(1,1139)	1:273:A:ALA:HB1	1:274:A:ARG:H	13	0.12
(1,1139)	1:273:A:ALA:HB2	1:274:A:ARG:H	13	0.12
(1,1139)	1:273:A:ALA:HB3	1:274:A:ARG:H	13	0.12
(1,1127)	1:266:A:GLN:H	1:265:A:GLN:H	15	0.12
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	4	0.12
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	4	0.12
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	4	0.12
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	4	0.12
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	4	0.12
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	4	0.12
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.12
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.12
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE1	12	0.12
(1,1116)	1:262:A:LEU:H	1:261:A:TYR:HE2	12	0.12
(1,1102)	1:257:A:THR:H	1:260:A:TYR:HH	2	0.12
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	13	0.12
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	13	0.12
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	1	0.12
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	1	0.12
(1,1079)	1:245:A:VAL:H	1:247:A:TYR:HH	5	0.12
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	9	0.12
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	9	0.12
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	1	0.12
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	1	0.12
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	7	0.12
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	7	0.12
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	7	0.12
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	8	0.12
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.12
(1,987)	1:227:A:GLY:H	1:226:A:THR:HA	4	0.12
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB3	13	0.12
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	9	0.12
(1,966)	1:223:A:GLY:H	1:220:A:ALA:HA	13	0.12
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	10	0.12
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA2	3	0.12
(1,945)	1:219:A:PHE:H	1:218:A:GLY:HA3	3	0.12
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	7	0.12
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	7	0.12
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	7	0.12
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	7	0.12
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	7	0.12
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	7	0.12
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	14	0.12
(1,889)	1:197:A:HIS:H	1:195:A:PRO:HA	15	0.12
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	4	0.12
(1,887)	1:197:A:HIS:H	1:194:A:ALA:HA	7	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	3	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	3	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	6	0.12
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	6	0.12
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB2	1	0.12
(1,848)	1:187:A:GLU:H	1:186:A:LEU:HB3	1	0.12
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	1	0.12
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	7	0.12
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	12	0.12
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	1	0.12
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	1	0.12
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	1	0.12
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	1	0.12
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	1	0.12
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	1	0.12
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	9	0.12
(1,814)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	9	0.12
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	9	0.12
(1,814)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	9	0.12
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	9	0.12
(1,810)	1:313:A:LEU:H	1:315:A:ASP:H	12	0.12
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	14	0.12
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	5	0.12
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	5	0.12
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	1	0.12
(1,777)	1:303:A:VAL:HG21	1:300:A:VAL:H	6	0.12
(1,777)	1:303:A:VAL:HG22	1:300:A:VAL:H	6	0.12
(1,777)	1:303:A:VAL:HG23	1:300:A:VAL:H	6	0.12
(1,758)	1:300:A:VAL:H	1:299:A:LEU:H	7	0.12
(1,756)	1:299:A:LEU:HD21	1:300:A:VAL:H	8	0.12
(1,756)	1:299:A:LEU:HD22	1:300:A:VAL:H	8	0.12
(1,756)	1:299:A:LEU:HD23	1:300:A:VAL:H	8	0.12
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	14	0.12
(1,726)	1:273:A:ALA:HB1	1:274:A:ARG:H	13	0.12
(1,726)	1:273:A:ALA:HB2	1:274:A:ARG:H	13	0.12
(1,726)	1:273:A:ALA:HB3	1:274:A:ARG:H	13	0.12
(1,714)	1:266:A:GLN:H	1:265:A:GLN:H	15	0.12
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	4	0.12
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	4	0.12
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	4	0.12
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	4	0.12
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	4	0.12
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	4	0.12
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.12
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.12
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE1	12	0.12
(1,703)	1:262:A:LEU:H	1:261:A:TYR:HE2	12	0.12
(1,689)	1:257:A:THR:H	1:260:A:TYR:HH	2	0.12
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	13	0.12
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	13	0.12
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	1	0.12
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	1	0.12
(1,666)	1:245:A:VAL:H	1:247:A:TYR:HH	5	0.12
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	9	0.12
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	9	0.12
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	1	0.12
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	1	0.12
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	7	0.12
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	7	0.12
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	8	0.12
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.12
(1,574)	1:227:A:GLY:H	1:226:A:THR:HA	4	0.12
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB2	13	0.12
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB3	13	0.12
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	9	0.12
(1,553)	1:223:A:GLY:H	1:220:A:ALA:HA	13	0.12
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	10	0.12
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA2	3	0.12
(1,532)	1:219:A:PHE:H	1:218:A:GLY:HA3	3	0.12
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	7	0.12
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	7	0.12
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	7	0.12
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	7	0.12
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	7	0.12
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	7	0.12
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	14	0.12
(1,476)	1:197:A:HIS:H	1:195:A:PRO:HA	15	0.12
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	4	0.12
(1,474)	1:197:A:HIS:H	1:194:A:ALA:HA	7	0.12
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	3	0.12
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	3	0.12
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	6	0.12
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	6	0.12
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB2	1	0.12
(1,435)	1:187:A:GLU:H	1:186:A:LEU:HB3	1	0.12
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	1	0.12
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	7	0.12
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	12	0.12
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	1	0.12
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	1	0.12
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	1	0.12
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	1	0.12
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	1	0.12
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	1	0.12
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:313:A:LEU:HD21	1:312:A:ARG:HD3	9	0.12
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD2	9	0.12
(1,401)	1:313:A:LEU:HD22	1:312:A:ARG:HD3	9	0.12
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD2	9	0.12
(1,401)	1:313:A:LEU:HD23	1:312:A:ARG:HD3	9	0.12
(1,397)	1:313:A:LEU:H	1:315:A:ASP:H	12	0.12
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	14	0.12
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	5	0.12
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	5	0.12
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	1	0.12
(1,364)	1:303:A:VAL:HG21	1:300:A:VAL:H	6	0.12
(1,364)	1:303:A:VAL:HG22	1:300:A:VAL:H	6	0.12
(1,364)	1:303:A:VAL:HG23	1:300:A:VAL:H	6	0.12
(1,345)	1:300:A:VAL:H	1:299:A:LEU:H	7	0.12
(1,343)	1:299:A:LEU:HD21	1:300:A:VAL:H	8	0.12
(1,343)	1:299:A:LEU:HD22	1:300:A:VAL:H	8	0.12
(1,343)	1:299:A:LEU:HD23	1:300:A:VAL:H	8	0.12
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	14	0.12
(1,313)	1:273:A:ALA:HB1	1:274:A:ARG:H	13	0.12
(1,313)	1:273:A:ALA:HB2	1:274:A:ARG:H	13	0.12
(1,313)	1:273:A:ALA:HB3	1:274:A:ARG:H	13	0.12
(1,301)	1:266:A:GLN:H	1:265:A:GLN:H	15	0.12
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	4	0.12
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	4	0.12
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	4	0.12
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	4	0.12
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	4	0.12
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	4	0.12
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	7	0.12
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	7	0.12
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE1	12	0.12
(1,290)	1:262:A:LEU:H	1:261:A:TYR:HE2	12	0.12
(1,276)	1:257:A:THR:H	1:260:A:TYR:HH	2	0.12
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	13	0.12
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	13	0.12
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	1	0.12
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	1	0.12
(1,253)	1:245:A:VAL:H	1:247:A:TYR:HH	5	0.12
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	8	0.12
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	9	0.12
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	9	0.12
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	1	0.12
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	7	0.12
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	7	0.12
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	7	0.12
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	8	0.12
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	9	0.12
(1,161)	1:227:A:GLY:H	1:226:A:THR:HA	4	0.12
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB2	13	0.12
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB3	13	0.12
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	9	0.12
(1,140)	1:223:A:GLY:H	1:220:A:ALA:HA	13	0.12
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	10	0.12
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA2	3	0.12
(1,119)	1:219:A:PHE:H	1:218:A:GLY:HA3	3	0.12
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	2	0.12
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	2	0.12
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	2	0.12
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	2	0.12
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	2	0.12
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	2	0.12
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	7	0.12
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	7	0.12
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	7	0.12
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	7	0.12
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	7	0.12
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	7	0.12
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	14	0.12
(1,63)	1:197:A:HIS:H	1:195:A:PRO:HA	15	0.12
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	4	0.12
(1,61)	1:197:A:HIS:H	1:194:A:ALA:HA	7	0.12
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	3	0.12
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	3	0.12
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	6	0.12
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	6	0.12
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB2	1	0.12
(1,22)	1:187:A:GLU:H	1:186:A:LEU:HB3	1	0.12
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	1	0.12
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	7	0.12
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	12	0.12
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	13	0.11
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	13	0.11
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	13	0.11
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	13	0.11
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	13	0.11
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	13	0.11
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	13	0.11
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	13	0.11
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	13	0.11
(1,2203)	1:245:A:VAL:HG21	1:224:A:VAL:HB	6	0.11
(1,2203)	1:245:A:VAL:HG22	1:224:A:VAL:HB	6	0.11
(1,2203)	1:245:A:VAL:HG23	1:224:A:VAL:HB	6	0.11
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	4	0.11
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	4	0.11
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	4	0.11
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	4	0.11
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	4	0.11
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	4	0.11
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	6	0.11
(1,2200)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	6	0.11
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	6	0.11
(1,2200)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	6	0.11
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	6	0.11
(1,2200)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	6	0.11
(1,2195)	1:228:A:LEU:HD11	1:245:A:VAL:HB	2	0.11
(1,2195)	1:228:A:LEU:HD12	1:245:A:VAL:HB	2	0.11
(1,2195)	1:228:A:LEU:HD13	1:245:A:VAL:HB	2	0.11
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	8	0.11
(1,2193)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	8	0.11
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	8	0.11
(1,2193)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	8	0.11
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	8	0.11
(1,2193)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	8	0.11
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD21	5	0.11
(1,2184)	1:191:A:THR:HG21	1:297:A:ASN:HD22	5	0.11
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD21	5	0.11
(1,2184)	1:191:A:THR:HG22	1:297:A:ASN:HD22	5	0.11
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD21	5	0.11
(1,2184)	1:191:A:THR:HG23	1:297:A:ASN:HD22	5	0.11
(1,2174)	1:245:A:VAL:HG21	1:224:A:VAL:HB	6	0.11
(1,2174)	1:245:A:VAL:HG22	1:224:A:VAL:HB	6	0.11
(1,2174)	1:245:A:VAL:HG23	1:224:A:VAL:HB	6	0.11
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	4	0.11
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	4	0.11
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	4	0.11
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	4	0.11
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	4	0.11
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	6	0.11
(1,2171)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	6	0.11
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	6	0.11
(1,2171)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	6	0.11
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	6	0.11
(1,2171)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	6	0.11
(1,2166)	1:228:A:LEU:HD11	1:245:A:VAL:HB	2	0.11
(1,2166)	1:228:A:LEU:HD12	1:245:A:VAL:HB	2	0.11
(1,2166)	1:228:A:LEU:HD13	1:245:A:VAL:HB	2	0.11
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	8	0.11
(1,2164)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	8	0.11
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	8	0.11
(1,2164)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	8	0.11
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	8	0.11
(1,2164)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	8	0.11
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD21	5	0.11
(1,2155)	1:191:A:THR:HG21	1:297:A:ASN:HD22	5	0.11
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD21	5	0.11
(1,2155)	1:191:A:THR:HG22	1:297:A:ASN:HD22	5	0.11
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD21	5	0.11
(1,2155)	1:191:A:THR:HG23	1:297:A:ASN:HD22	5	0.11
(1,2145)	1:245:A:VAL:HG21	1:224:A:VAL:HB	6	0.11
(1,2145)	1:245:A:VAL:HG22	1:224:A:VAL:HB	6	0.11
(1,2145)	1:245:A:VAL:HG23	1:224:A:VAL:HB	6	0.11
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	4	0.11
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	4	0.11
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	4	0.11
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	4	0.11
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	4	0.11
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	4	0.11
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	6	0.11
(1,2142)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	6	0.11
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	6	0.11
(1,2142)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	6	0.11
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	6	0.11
(1,2142)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	6	0.11
(1,2137)	1:228:A:LEU:HD11	1:245:A:VAL:HB	2	0.11
(1,2137)	1:228:A:LEU:HD12	1:245:A:VAL:HB	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:228:A:LEU:HD13	1:245:A:VAL:HB	2	0.11
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	8	0.11
(1,2135)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	8	0.11
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	8	0.11
(1,2135)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	8	0.11
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	8	0.11
(1,2135)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	8	0.11
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD21	5	0.11
(1,2126)	1:191:A:THR:HG21	1:297:A:ASN:HD22	5	0.11
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD21	5	0.11
(1,2126)	1:191:A:THR:HG22	1:297:A:ASN:HD22	5	0.11
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD21	5	0.11
(1,2126)	1:191:A:THR:HG23	1:297:A:ASN:HD22	5	0.11
(1,2116)	1:245:A:VAL:HG21	1:224:A:VAL:HB	6	0.11
(1,2116)	1:245:A:VAL:HG22	1:224:A:VAL:HB	6	0.11
(1,2116)	1:245:A:VAL:HG23	1:224:A:VAL:HB	6	0.11
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	4	0.11
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	4	0.11
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	4	0.11
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	4	0.11
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	4	0.11
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	4	0.11
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	6	0.11
(1,2113)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	6	0.11
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	6	0.11
(1,2113)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	6	0.11
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	6	0.11
(1,2113)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	6	0.11
(1,2108)	1:228:A:LEU:HD11	1:245:A:VAL:HB	2	0.11
(1,2108)	1:228:A:LEU:HD12	1:245:A:VAL:HB	2	0.11
(1,2108)	1:228:A:LEU:HD13	1:245:A:VAL:HB	2	0.11
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	8	0.11
(1,2106)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	8	0.11
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	8	0.11
(1,2106)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	8	0.11
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	8	0.11
(1,2106)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	8	0.11
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD21	5	0.11
(1,2097)	1:191:A:THR:HG21	1:297:A:ASN:HD22	5	0.11
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD21	5	0.11
(1,2097)	1:191:A:THR:HG22	1:297:A:ASN:HD22	5	0.11
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD21	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:191:A:THR:HG23	1:297:A:ASN:HD22	5	0.11
(1,2087)	1:245:A:VAL:HG21	1:224:A:VAL:HB	6	0.11
(1,2087)	1:245:A:VAL:HG22	1:224:A:VAL:HB	6	0.11
(1,2087)	1:245:A:VAL:HG23	1:224:A:VAL:HB	6	0.11
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	4	0.11
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	4	0.11
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	4	0.11
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	4	0.11
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	4	0.11
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	4	0.11
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB2	6	0.11
(1,2084)	1:241:A:ILE:HG21	1:231:A:ARG:HB3	6	0.11
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB2	6	0.11
(1,2084)	1:241:A:ILE:HG22	1:231:A:ARG:HB3	6	0.11
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB2	6	0.11
(1,2084)	1:241:A:ILE:HG23	1:231:A:ARG:HB3	6	0.11
(1,2079)	1:228:A:LEU:HD11	1:245:A:VAL:HB	2	0.11
(1,2079)	1:228:A:LEU:HD12	1:245:A:VAL:HB	2	0.11
(1,2079)	1:228:A:LEU:HD13	1:245:A:VAL:HB	2	0.11
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD1	8	0.11
(1,2077)	1:224:A:VAL:HG21	1:248:A:PHE:HD2	8	0.11
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD1	8	0.11
(1,2077)	1:224:A:VAL:HG22	1:248:A:PHE:HD2	8	0.11
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD1	8	0.11
(1,2077)	1:224:A:VAL:HG23	1:248:A:PHE:HD2	8	0.11
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD21	5	0.11
(1,2068)	1:191:A:THR:HG21	1:297:A:ASN:HD22	5	0.11
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD21	5	0.11
(1,2068)	1:191:A:THR:HG22	1:297:A:ASN:HD22	5	0.11
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD21	5	0.11
(1,2068)	1:191:A:THR:HG23	1:297:A:ASN:HD22	5	0.11
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	10	0.11
(1,2061)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	10	0.11
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	10	0.11
(1,2061)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	10	0.11
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	10	0.11
(1,2061)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	10	0.11
(1,2051)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.11
(1,2051)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.11
(1,2051)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.11
(1,2049)	1:313:A:LEU:H	1:315:A:ASP:H	10	0.11
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:312:A:ARG:H	1:311:A:LYS:H	8	0.11
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB2	4	0.11
(1,2040)	1:309:A:GLN:H	1:308:A:ASN:HB3	4	0.11
(1,2033)	1:307:A:ARG:H	1:307:A:ARG:HG2	7	0.11
(1,2033)	1:307:A:ARG:H	1:307:A:ARG:HG3	7	0.11
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	5	0.11
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	9	0.11
(1,2032)	1:307:A:ARG:H	1:307:A:ARG:HA	11	0.11
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	9	0.11
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	9	0.11
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	9	0.11
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	9	0.11
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	9	0.11
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	9	0.11
(1,1994)	1:299:A:LEU:H	1:298:A:ARG:H	7	0.11
(1,1966)	1:290:A:ASN:H	1:289:A:GLN:H	12	0.11
(1,1965)	1:273:A:ALA:HB1	1:274:A:ARG:H	12	0.11
(1,1965)	1:273:A:ALA:HB2	1:274:A:ARG:H	12	0.11
(1,1965)	1:273:A:ALA:HB3	1:274:A:ARG:H	12	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	9	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	9	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	13	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	13	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG2	15	0.11
(1,1964)	1:272:A:SER:H	1:271:A:PRO:HG3	15	0.11
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	7	0.11
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	7	0.11
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	7	0.11
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	7	0.11
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	7	0.11
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	7	0.11
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	14	0.11
(1,1944)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	14	0.11
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	14	0.11
(1,1944)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	14	0.11
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	14	0.11
(1,1944)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	14	0.11
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	9	0.11
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	9	0.11
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.11
(1,1913)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.11
(1,1906)	1:246:A:THR:H	1:243:A:GLU:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:243:A:GLU:H	1:243:A:GLU:HG2	8	0.11
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	6	0.11
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1876)	1:241:A:ILE:H	1:242:A:VAL:HB	9	0.11
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1859)	1:238:A:SER:H	1:237:A:TYR:HB2	11	0.11
(1,1859)	1:238:A:SER:H	1:237:A:TYR:HB3	11	0.11
(1,1858)	1:238:A:SER:H	1:237:A:TYR:H	7	0.11
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.11
(1,1853)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	1	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	1	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	1	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	1	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	1	0.11
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	1	0.11
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	8	0.11
(1,1849)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	8	0.11
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	7	0.11
(1,1831)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.11
(1,1831)	1:231:A:ARG:H	1:228:A:LEU:HA	12	0.11
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	12	0.11
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	12	0.11
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	12	0.11
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	12	0.11
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	12	0.11
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	12	0.11
(1,1820)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	12	0.11
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA2	4	0.11
(1,1819)	1:228:A:LEU:H	1:227:A:GLY:HA3	4	0.11
(1,1818)	1:228:A:LEU:H	1:226:A:THR:HA	6	0.11
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB2	12	0.11
(1,1810)	1:226:A:THR:H	1:225:A:GLN:HB3	12	0.11
(1,1806)	1:226:A:THR:H	1:224:A:VAL:H	10	0.11
(1,1799)	1:224:A:VAL:HG11	1:221:A:ALA:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:224:A:VAL:HG12	1:221:A:ALA:H	1	0.11
(1,1799)	1:224:A:VAL:HG13	1:221:A:ALA:H	1	0.11
(1,1799)	1:224:A:VAL:HG21	1:221:A:ALA:H	1	0.11
(1,1799)	1:224:A:VAL:HG22	1:221:A:ALA:H	1	0.11
(1,1799)	1:224:A:VAL:HG23	1:221:A:ALA:H	1	0.11
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	2	0.11
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	5	0.11
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	14	0.11
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB1	2	0.11
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB2	2	0.11
(1,1790)	1:222:A:SER:H	1:221:A:ALA:HB3	2	0.11
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	1	0.11
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	2	0.11
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	3	0.11
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	3	0.11
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	3	0.11
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	3	0.11
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	3	0.11
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	3	0.11
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	4	0.11
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	4	0.11
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	4	0.11
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	4	0.11
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	4	0.11
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	4	0.11
(1,1759)	1:217:A:ALA:H	1:214:A:VAL:HA	11	0.11
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG2	8	0.11
(1,1744)	1:214:A:VAL:H	1:213:A:ARG:HG3	8	0.11
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB1	1	0.11
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB2	1	0.11
(1,1728)	1:200:A:LYS:H	1:199:A:ALA:HB3	1	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	3	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	3	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	3	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB1	12	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB2	12	0.11
(1,1718)	1:198:A:ASP:H	1:194:A:ALA:HB3	12	0.11
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	15	0.11
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB2	7	0.11
(1,1681)	1:189:A:ALA:H	1:186:A:LEU:HB3	7	0.11
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD11	15	0.11
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD12	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD13	15	0.11
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD21	15	0.11
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD22	15	0.11
(1,1678)	1:188:A:ASN:H	1:184:A:LEU:HD23	15	0.11
(1,1661)	1:183:A:LEU:HD21	1:187:A:GLU:H	14	0.11
(1,1661)	1:183:A:LEU:HD22	1:187:A:GLU:H	14	0.11
(1,1661)	1:183:A:LEU:HD23	1:187:A:GLU:H	14	0.11
(1,1658)	1:180:A:LYS:H	1:177:A:SER:HA	10	0.11
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	15	0.11
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB2	5	0.11
(1,1653)	1:177:A:SER:H	1:178:A:ARG:HB3	5	0.11
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	10	0.11
(1,1648)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	10	0.11
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	10	0.11
(1,1648)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	10	0.11
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	10	0.11
(1,1648)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	10	0.11
(1,1638)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.11
(1,1638)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.11
(1,1638)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.11
(1,1636)	1:313:A:LEU:H	1:315:A:ASP:H	10	0.11
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	3	0.11
(1,1632)	1:312:A:ARG:H	1:311:A:LYS:H	8	0.11
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB2	4	0.11
(1,1627)	1:309:A:GLN:H	1:308:A:ASN:HB3	4	0.11
(1,1620)	1:307:A:ARG:H	1:307:A:ARG:HG2	7	0.11
(1,1620)	1:307:A:ARG:H	1:307:A:ARG:HG3	7	0.11
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	5	0.11
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	9	0.11
(1,1619)	1:307:A:ARG:H	1:307:A:ARG:HA	11	0.11
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	9	0.11
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	9	0.11
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	9	0.11
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	9	0.11
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	9	0.11
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	9	0.11
(1,1581)	1:299:A:LEU:H	1:298:A:ARG:H	7	0.11
(1,1553)	1:290:A:ASN:H	1:289:A:GLN:H	12	0.11
(1,1552)	1:273:A:ALA:HB1	1:274:A:ARG:H	12	0.11
(1,1552)	1:273:A:ALA:HB2	1:274:A:ARG:H	12	0.11
(1,1552)	1:273:A:ALA:HB3	1:274:A:ARG:H	12	0.11
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	9	0.11
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	13	0.11
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	13	0.11
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG2	15	0.11
(1,1551)	1:272:A:SER:H	1:271:A:PRO:HG3	15	0.11
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	7	0.11
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	7	0.11
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	7	0.11
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	7	0.11
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	7	0.11
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	7	0.11
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	14	0.11
(1,1531)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	14	0.11
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	14	0.11
(1,1531)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	14	0.11
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	14	0.11
(1,1531)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	14	0.11
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	9	0.11
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	9	0.11
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.11
(1,1500)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.11
(1,1493)	1:246:A:THR:H	1:243:A:GLU:HA	6	0.11
(1,1487)	1:243:A:GLU:H	1:243:A:GLU:HG2	8	0.11
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	6	0.11
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1463)	1:241:A:ILE:H	1:242:A:VAL:HB	9	0.11
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1446)	1:238:A:SER:H	1:237:A:TYR:HB2	11	0.11
(1,1446)	1:238:A:SER:H	1:237:A:TYR:HB3	11	0.11
(1,1445)	1:238:A:SER:H	1:237:A:TYR:H	7	0.11
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.11
(1,1440)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	1	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	1	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	1	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	1	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	1	0.11
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	1	0.11
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	8	0.11
(1,1436)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	7	0.11
(1,1418)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.11
(1,1418)	1:231:A:ARG:H	1:228:A:LEU:HA	12	0.11
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	12	0.11
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	12	0.11
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	12	0.11
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	12	0.11
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	12	0.11
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	12	0.11
(1,1407)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	12	0.11
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA2	4	0.11
(1,1406)	1:228:A:LEU:H	1:227:A:GLY:HA3	4	0.11
(1,1405)	1:228:A:LEU:H	1:226:A:THR:HA	6	0.11
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB2	12	0.11
(1,1397)	1:226:A:THR:H	1:225:A:GLN:HB3	12	0.11
(1,1393)	1:226:A:THR:H	1:224:A:VAL:H	10	0.11
(1,1386)	1:224:A:VAL:HG11	1:221:A:ALA:H	1	0.11
(1,1386)	1:224:A:VAL:HG12	1:221:A:ALA:H	1	0.11
(1,1386)	1:224:A:VAL:HG13	1:221:A:ALA:H	1	0.11
(1,1386)	1:224:A:VAL:HG21	1:221:A:ALA:H	1	0.11
(1,1386)	1:224:A:VAL:HG22	1:221:A:ALA:H	1	0.11
(1,1386)	1:224:A:VAL:HG23	1:221:A:ALA:H	1	0.11
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	2	0.11
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	5	0.11
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	14	0.11
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB1	2	0.11
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB2	2	0.11
(1,1377)	1:222:A:SER:H	1:221:A:ALA:HB3	2	0.11
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	1	0.11
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	2	0.11
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	3	0.11
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	3	0.11
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	3	0.11
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	3	0.11
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	3	0.11
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	3	0.11
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	4	0.11
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	4	0.11
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	4	0.11
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	4	0.11
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	4	0.11
(1,1346)	1:217:A:ALA:H	1:214:A:VAL:HA	11	0.11
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG2	8	0.11
(1,1331)	1:214:A:VAL:H	1:213:A:ARG:HG3	8	0.11
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB1	1	0.11
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB2	1	0.11
(1,1315)	1:200:A:LYS:H	1:199:A:ALA:HB3	1	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	3	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	3	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	3	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB1	12	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB2	12	0.11
(1,1305)	1:198:A:ASP:H	1:194:A:ALA:HB3	12	0.11
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	15	0.11
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB2	7	0.11
(1,1268)	1:189:A:ALA:H	1:186:A:LEU:HB3	7	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD11	15	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD12	15	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD13	15	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD21	15	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD22	15	0.11
(1,1265)	1:188:A:ASN:H	1:184:A:LEU:HD23	15	0.11
(1,1248)	1:183:A:LEU:HD21	1:187:A:GLU:H	14	0.11
(1,1248)	1:183:A:LEU:HD22	1:187:A:GLU:H	14	0.11
(1,1248)	1:183:A:LEU:HD23	1:187:A:GLU:H	14	0.11
(1,1245)	1:180:A:LYS:H	1:177:A:SER:HA	10	0.11
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	15	0.11
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB2	5	0.11
(1,1240)	1:177:A:SER:H	1:178:A:ARG:HB3	5	0.11
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	10	0.11
(1,1235)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	10	0.11
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	10	0.11
(1,1235)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	10	0.11
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	10	0.11
(1,1235)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	10	0.11
(1,1225)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.11
(1,1225)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.11
(1,1225)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:313:A:LEU:H	1:315:A:ASP:H	10	0.11
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	3	0.11
(1,1219)	1:312:A:ARG:H	1:311:A:LYS:H	8	0.11
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB2	4	0.11
(1,1214)	1:309:A:GLN:H	1:308:A:ASN:HB3	4	0.11
(1,1207)	1:307:A:ARG:H	1:307:A:ARG:HG2	7	0.11
(1,1207)	1:307:A:ARG:H	1:307:A:ARG:HG3	7	0.11
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	5	0.11
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	9	0.11
(1,1206)	1:307:A:ARG:H	1:307:A:ARG:HA	11	0.11
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	9	0.11
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	9	0.11
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	9	0.11
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	9	0.11
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	9	0.11
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	9	0.11
(1,1168)	1:299:A:LEU:H	1:298:A:ARG:H	7	0.11
(1,1140)	1:290:A:ASN:H	1:289:A:GLN:H	12	0.11
(1,1139)	1:273:A:ALA:HB1	1:274:A:ARG:H	12	0.11
(1,1139)	1:273:A:ALA:HB2	1:274:A:ARG:H	12	0.11
(1,1139)	1:273:A:ALA:HB3	1:274:A:ARG:H	12	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	9	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	9	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	13	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	13	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG2	15	0.11
(1,1138)	1:272:A:SER:H	1:271:A:PRO:HG3	15	0.11
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	7	0.11
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	7	0.11
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	7	0.11
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	7	0.11
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	7	0.11
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	7	0.11
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	14	0.11
(1,1118)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	14	0.11
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	14	0.11
(1,1118)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	14	0.11
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	14	0.11
(1,1118)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	14	0.11
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	9	0.11
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	9	0.11
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.11
(1,1080)	1:246:A:THR:H	1:243:A:GLU:HA	6	0.11
(1,1074)	1:243:A:GLU:H	1:243:A:GLU:HG2	8	0.11
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	6	0.11
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1050)	1:241:A:ILE:H	1:242:A:VAL:HB	9	0.11
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,1033)	1:238:A:SER:H	1:237:A:TYR:HB2	11	0.11
(1,1033)	1:238:A:SER:H	1:237:A:TYR:HB3	11	0.11
(1,1032)	1:238:A:SER:H	1:237:A:TYR:H	7	0.11
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.11
(1,1027)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	1	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	1	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	1	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	1	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	1	0.11
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	1	0.11
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	8	0.11
(1,1023)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	8	0.11
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	7	0.11
(1,1005)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.11
(1,1005)	1:231:A:ARG:H	1:228:A:LEU:HA	12	0.11
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	12	0.11
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	12	0.11
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	12	0.11
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	12	0.11
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	12	0.11
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	12	0.11
(1,994)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	12	0.11
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA2	4	0.11
(1,993)	1:228:A:LEU:H	1:227:A:GLY:HA3	4	0.11
(1,992)	1:228:A:LEU:H	1:226:A:THR:HA	6	0.11
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB2	12	0.11
(1,984)	1:226:A:THR:H	1:225:A:GLN:HB3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:226:A:THR:H	1:224:A:VAL:H	10	0.11
(1,973)	1:224:A:VAL:HG11	1:221:A:ALA:H	1	0.11
(1,973)	1:224:A:VAL:HG12	1:221:A:ALA:H	1	0.11
(1,973)	1:224:A:VAL:HG13	1:221:A:ALA:H	1	0.11
(1,973)	1:224:A:VAL:HG21	1:221:A:ALA:H	1	0.11
(1,973)	1:224:A:VAL:HG22	1:221:A:ALA:H	1	0.11
(1,973)	1:224:A:VAL:HG23	1:221:A:ALA:H	1	0.11
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	2	0.11
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	5	0.11
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	14	0.11
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB1	2	0.11
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB2	2	0.11
(1,964)	1:222:A:SER:H	1:221:A:ALA:HB3	2	0.11
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	1	0.11
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	2	0.11
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	3	0.11
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	3	0.11
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	3	0.11
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	3	0.11
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	3	0.11
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	3	0.11
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	4	0.11
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	4	0.11
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	4	0.11
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	4	0.11
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	4	0.11
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	4	0.11
(1,933)	1:217:A:ALA:H	1:214:A:VAL:HA	11	0.11
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG2	8	0.11
(1,918)	1:214:A:VAL:H	1:213:A:ARG:HG3	8	0.11
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB1	1	0.11
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB2	1	0.11
(1,902)	1:200:A:LYS:H	1:199:A:ALA:HB3	1	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	3	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	3	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	3	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB1	12	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB2	12	0.11
(1,892)	1:198:A:ASP:H	1:194:A:ALA:HB3	12	0.11
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	15	0.11
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB2	7	0.11
(1,855)	1:189:A:ALA:H	1:186:A:LEU:HB3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD11	15	0.11
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD12	15	0.11
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD13	15	0.11
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD21	15	0.11
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD22	15	0.11
(1,852)	1:188:A:ASN:H	1:184:A:LEU:HD23	15	0.11
(1,835)	1:183:A:LEU:HD21	1:187:A:GLU:H	14	0.11
(1,835)	1:183:A:LEU:HD22	1:187:A:GLU:H	14	0.11
(1,835)	1:183:A:LEU:HD23	1:187:A:GLU:H	14	0.11
(1,832)	1:180:A:LYS:H	1:177:A:SER:HA	10	0.11
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	15	0.11
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB2	5	0.11
(1,827)	1:177:A:SER:H	1:178:A:ARG:HB3	5	0.11
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	10	0.11
(1,822)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	10	0.11
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	10	0.11
(1,822)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	10	0.11
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	10	0.11
(1,822)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	10	0.11
(1,812)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.11
(1,812)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.11
(1,812)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.11
(1,810)	1:313:A:LEU:H	1:315:A:ASP:H	10	0.11
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	3	0.11
(1,806)	1:312:A:ARG:H	1:311:A:LYS:H	8	0.11
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB2	4	0.11
(1,801)	1:309:A:GLN:H	1:308:A:ASN:HB3	4	0.11
(1,794)	1:307:A:ARG:H	1:307:A:ARG:HG2	7	0.11
(1,794)	1:307:A:ARG:H	1:307:A:ARG:HG3	7	0.11
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	5	0.11
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	9	0.11
(1,793)	1:307:A:ARG:H	1:307:A:ARG:HA	11	0.11
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	9	0.11
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	9	0.11
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	9	0.11
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	9	0.11
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	9	0.11
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	9	0.11
(1,755)	1:299:A:LEU:H	1:298:A:ARG:H	7	0.11
(1,727)	1:290:A:ASN:H	1:289:A:GLN:H	12	0.11
(1,726)	1:273:A:ALA:HB1	1:274:A:ARG:H	12	0.11
(1,726)	1:273:A:ALA:HB2	1:274:A:ARG:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:273:A:ALA:HB3	1:274:A:ARG:H	12	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	9	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	9	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	13	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	13	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG2	15	0.11
(1,725)	1:272:A:SER:H	1:271:A:PRO:HG3	15	0.11
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	7	0.11
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	7	0.11
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	7	0.11
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	7	0.11
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	7	0.11
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	7	0.11
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	14	0.11
(1,705)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	14	0.11
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	14	0.11
(1,705)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	14	0.11
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	14	0.11
(1,705)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	14	0.11
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	9	0.11
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	9	0.11
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.11
(1,674)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.11
(1,667)	1:246:A:THR:H	1:243:A:GLU:HA	6	0.11
(1,661)	1:243:A:GLU:H	1:243:A:GLU:HG2	8	0.11
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	6	0.11
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,637)	1:241:A:ILE:H	1:242:A:VAL:HB	9	0.11
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,620)	1:238:A:SER:H	1:237:A:TYR:HB2	11	0.11
(1,620)	1:238:A:SER:H	1:237:A:TYR:HB3	11	0.11
(1,619)	1:238:A:SER:H	1:237:A:TYR:H	7	0.11
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.11
(1,614)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	1	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	1	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	1	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	1	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	1	0.11
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	8	0.11
(1,610)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	8	0.11
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	7	0.11
(1,592)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.11
(1,592)	1:231:A:ARG:H	1:228:A:LEU:HA	12	0.11
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	12	0.11
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	12	0.11
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	12	0.11
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	12	0.11
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	12	0.11
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	12	0.11
(1,581)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	12	0.11
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA2	4	0.11
(1,580)	1:228:A:LEU:H	1:227:A:GLY:HA3	4	0.11
(1,579)	1:228:A:LEU:H	1:226:A:THR:HA	6	0.11
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB2	12	0.11
(1,571)	1:226:A:THR:H	1:225:A:GLN:HB3	12	0.11
(1,567)	1:226:A:THR:H	1:224:A:VAL:H	10	0.11
(1,560)	1:224:A:VAL:HG11	1:221:A:ALA:H	1	0.11
(1,560)	1:224:A:VAL:HG12	1:221:A:ALA:H	1	0.11
(1,560)	1:224:A:VAL:HG13	1:221:A:ALA:H	1	0.11
(1,560)	1:224:A:VAL:HG21	1:221:A:ALA:H	1	0.11
(1,560)	1:224:A:VAL:HG22	1:221:A:ALA:H	1	0.11
(1,560)	1:224:A:VAL:HG23	1:221:A:ALA:H	1	0.11
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	2	0.11
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	5	0.11
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	14	0.11
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB1	2	0.11
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB2	2	0.11
(1,551)	1:222:A:SER:H	1:221:A:ALA:HB3	2	0.11
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	1	0.11
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	2	0.11
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	3	0.11
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	3	0.11
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	3	0.11
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	3	0.11
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	3	0.11
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	4	0.11
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	4	0.11
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	4	0.11
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	4	0.11
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	4	0.11
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	4	0.11
(1,520)	1:217:A:ALA:H	1:214:A:VAL:HA	11	0.11
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG2	8	0.11
(1,505)	1:214:A:VAL:H	1:213:A:ARG:HG3	8	0.11
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB1	1	0.11
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB2	1	0.11
(1,489)	1:200:A:LYS:H	1:199:A:ALA:HB3	1	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	3	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	3	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	3	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB1	12	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB2	12	0.11
(1,479)	1:198:A:ASP:H	1:194:A:ALA:HB3	12	0.11
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	15	0.11
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB2	7	0.11
(1,442)	1:189:A:ALA:H	1:186:A:LEU:HB3	7	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD11	15	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD12	15	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD13	15	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD21	15	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD22	15	0.11
(1,439)	1:188:A:ASN:H	1:184:A:LEU:HD23	15	0.11
(1,422)	1:183:A:LEU:HD21	1:187:A:GLU:H	14	0.11
(1,422)	1:183:A:LEU:HD22	1:187:A:GLU:H	14	0.11
(1,422)	1:183:A:LEU:HD23	1:187:A:GLU:H	14	0.11
(1,419)	1:180:A:LYS:H	1:177:A:SER:HA	10	0.11
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	15	0.11
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB2	5	0.11
(1,414)	1:177:A:SER:H	1:178:A:ARG:HB3	5	0.11
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD2	10	0.11
(1,409)	1:317:A:LEU:HD21	1:316:A:PRO:HD3	10	0.11
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD2	10	0.11
(1,409)	1:317:A:LEU:HD22	1:316:A:PRO:HD3	10	0.11
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD2	10	0.11
(1,409)	1:317:A:LEU:HD23	1:316:A:PRO:HD3	10	0.11
(1,399)	1:313:A:LEU:HD11	1:310:A:LEU:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:313:A:LEU:HD12	1:310:A:LEU:H	7	0.11
(1,399)	1:313:A:LEU:HD13	1:310:A:LEU:H	7	0.11
(1,397)	1:313:A:LEU:H	1:315:A:ASP:H	10	0.11
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	3	0.11
(1,393)	1:312:A:ARG:H	1:311:A:LYS:H	8	0.11
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB2	4	0.11
(1,388)	1:309:A:GLN:H	1:308:A:ASN:HB3	4	0.11
(1,381)	1:307:A:ARG:H	1:307:A:ARG:HG2	7	0.11
(1,381)	1:307:A:ARG:H	1:307:A:ARG:HG3	7	0.11
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	5	0.11
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	9	0.11
(1,380)	1:307:A:ARG:H	1:307:A:ARG:HA	11	0.11
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	9	0.11
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	9	0.11
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	9	0.11
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	9	0.11
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	9	0.11
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	9	0.11
(1,342)	1:299:A:LEU:H	1:298:A:ARG:H	7	0.11
(1,314)	1:290:A:ASN:H	1:289:A:GLN:H	12	0.11
(1,313)	1:273:A:ALA:HB1	1:274:A:ARG:H	12	0.11
(1,313)	1:273:A:ALA:HB2	1:274:A:ARG:H	12	0.11
(1,313)	1:273:A:ALA:HB3	1:274:A:ARG:H	12	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	9	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	9	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	13	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	13	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG2	15	0.11
(1,312)	1:272:A:SER:H	1:271:A:PRO:HG3	15	0.11
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	7	0.11
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	7	0.11
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	7	0.11
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	7	0.11
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	7	0.11
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	7	0.11
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD1	14	0.11
(1,292)	1:262:A:LEU:HD21	1:261:A:TYR:HD2	14	0.11
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD1	14	0.11
(1,292)	1:262:A:LEU:HD22	1:261:A:TYR:HD2	14	0.11
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD1	14	0.11
(1,292)	1:262:A:LEU:HD23	1:261:A:TYR:HD2	14	0.11
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	9	0.11
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD1	6	0.11
(1,261)	1:248:A:PHE:H	1:247:A:TYR:HD2	6	0.11
(1,254)	1:246:A:THR:H	1:243:A:GLU:HA	6	0.11
(1,248)	1:243:A:GLU:H	1:243:A:GLU:HG2	8	0.11
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	6	0.11
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,224)	1:241:A:ILE:H	1:242:A:VAL:HB	9	0.11
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB2	1	0.11
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB3	1	0.11
(1,207)	1:238:A:SER:H	1:237:A:TYR:HB2	11	0.11
(1,207)	1:238:A:SER:H	1:237:A:TYR:HB3	11	0.11
(1,206)	1:238:A:SER:H	1:237:A:TYR:H	7	0.11
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB2	6	0.11
(1,201)	1:236:A:GLU:H	1:235:A:TRP:HB3	6	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	1	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	1	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	1	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	1	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	1	0.11
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	1	0.11
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB2	8	0.11
(1,197)	1:235:A:TRP:HE1	1:231:A:ARG:HB3	8	0.11
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	7	0.11
(1,179)	1:231:A:ARG:H	1:228:A:LEU:HA	4	0.11
(1,179)	1:231:A:ARG:H	1:228:A:LEU:HA	12	0.11
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD11	1:231:A:ARG:HD3	12	0.11
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD12	1:231:A:ARG:HD3	12	0.11
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD13	1:231:A:ARG:HD3	12	0.11
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD21	1:231:A:ARG:HD3	12	0.11
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD22	1:231:A:ARG:HD3	12	0.11
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD2	12	0.11
(1,168)	1:228:A:LEU:HD23	1:231:A:ARG:HD3	12	0.11
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA2	4	0.11
(1,167)	1:228:A:LEU:H	1:227:A:GLY:HA3	4	0.11
(1,166)	1:228:A:LEU:H	1:226:A:THR:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB2	12	0.11
(1,158)	1:226:A:THR:H	1:225:A:GLN:HB3	12	0.11
(1,154)	1:226:A:THR:H	1:224:A:VAL:H	10	0.11
(1,147)	1:224:A:VAL:HG11	1:221:A:ALA:H	1	0.11
(1,147)	1:224:A:VAL:HG12	1:221:A:ALA:H	1	0.11
(1,147)	1:224:A:VAL:HG13	1:221:A:ALA:H	1	0.11
(1,147)	1:224:A:VAL:HG21	1:221:A:ALA:H	1	0.11
(1,147)	1:224:A:VAL:HG22	1:221:A:ALA:H	1	0.11
(1,147)	1:224:A:VAL:HG23	1:221:A:ALA:H	1	0.11
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	2	0.11
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	5	0.11
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	14	0.11
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB1	2	0.11
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB2	2	0.11
(1,138)	1:222:A:SER:H	1:221:A:ALA:HB3	2	0.11
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	1	0.11
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	2	0.11
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	3	0.11
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	3	0.11
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	3	0.11
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	3	0.11
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	3	0.11
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	3	0.11
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	4	0.11
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	4	0.11
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	4	0.11
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	4	0.11
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	4	0.11
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	4	0.11
(1,107)	1:217:A:ALA:H	1:214:A:VAL:HA	11	0.11
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG2	8	0.11
(1,92)	1:214:A:VAL:H	1:213:A:ARG:HG3	8	0.11
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB1	1	0.11
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB2	1	0.11
(1,76)	1:200:A:LYS:H	1:199:A:ALA:HB3	1	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	3	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	3	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	3	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB1	12	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB2	12	0.11
(1,66)	1:198:A:ASP:H	1:194:A:ALA:HB3	12	0.11
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB2	7	0.11
(1,29)	1:189:A:ALA:H	1:186:A:LEU:HB3	7	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD11	15	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD12	15	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD13	15	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD21	15	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD22	15	0.11
(1,26)	1:188:A:ASN:H	1:184:A:LEU:HD23	15	0.11
(1,9)	1:183:A:LEU:HD21	1:187:A:GLU:H	14	0.11
(1,9)	1:183:A:LEU:HD22	1:187:A:GLU:H	14	0.11
(1,9)	1:183:A:LEU:HD23	1:187:A:GLU:H	14	0.11
(1,6)	1:180:A:LYS:H	1:177:A:SER:HA	10	0.11
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	15	0.11
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB2	5	0.11
(1,1)	1:177:A:SER:H	1:178:A:ARG:HB3	5	0.11
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG12	8	0.1
(1,2245)	1:241:A:ILE:H	1:241:A:ILE:HG13	8	0.1
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG12	8	0.1
(1,2244)	1:241:A:ILE:H	1:241:A:ILE:HG13	8	0.1
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG12	8	0.1
(1,2243)	1:241:A:ILE:H	1:241:A:ILE:HG13	8	0.1
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG12	8	0.1
(1,2242)	1:241:A:ILE:H	1:241:A:ILE:HG13	8	0.1
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG12	8	0.1
(1,2241)	1:241:A:ILE:H	1:241:A:ILE:HG13	8	0.1
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	1	0.1
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	1	0.1
(1,2204)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	1	0.1
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	1	0.1
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	1	0.1
(1,2204)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	1	0.1
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	1	0.1
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	1	0.1
(1,2204)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	1	0.1
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	1	0.1
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	1	0.1
(1,2175)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	1	0.1
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	1	0.1
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	1	0.1
(1,2175)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	1	0.1
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	1	0.1
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	1	0.1
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	1	0.1
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	1	0.1
(1,2146)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	1	0.1
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	1	0.1
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	1	0.1
(1,2146)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	1	0.1
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	1	0.1
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	1	0.1
(1,2146)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	1	0.1
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	1	0.1
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	1	0.1
(1,2117)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	1	0.1
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	1	0.1
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	1	0.1
(1,2117)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	1	0.1
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	1	0.1
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	1	0.1
(1,2117)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	1	0.1
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD11	1	0.1
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD12	1	0.1
(1,2088)	1:245:A:VAL:HG21	1:228:A:LEU:HD13	1	0.1
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD11	1	0.1
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD12	1	0.1
(1,2088)	1:245:A:VAL:HG22	1:228:A:LEU:HD13	1	0.1
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD11	1	0.1
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD12	1	0.1
(1,2088)	1:245:A:VAL:HG23	1:228:A:LEU:HD13	1	0.1
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	1	0.1
(1,2003)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	1	0.1
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	1	0.1
(1,2003)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	1	0.1
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	1	0.1
(1,2003)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	1	0.1
(1,1997)	1:300:A:VAL:H	1:299:A:LEU:H	9	0.1
(1,1997)	1:300:A:VAL:H	1:299:A:LEU:H	11	0.1
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	10	0.1
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	10	0.1
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	10	0.1
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	10	0.1
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	10	0.1
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	12	0.1
(1,1948)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	12	0.1
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	12	0.1
(1,1948)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	12	0.1
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	12	0.1
(1,1948)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	12	0.1
(1,1938)	1:262:A:LEU:H	1:261:A:TYR:HA	2	0.1
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB2	5	0.1
(1,1917)	1:253:A:THR:H	1:252:A:SER:HB3	5	0.1
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG2	14	0.1
(1,1907)	1:246:A:THR:H	1:243:A:GLU:HG3	14	0.1
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	1	0.1
(1,1886)	1:242:A:VAL:H	1:241:A:ILE:HA	11	0.1
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1885)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1876)	1:241:A:ILE:H	1:242:A:VAL:HB	12	0.1
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1872)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	12	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	12	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	12	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	12	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	12	0.1
(1,1851)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	12	0.1
(1,1848)	1:235:A:TRP:H	1:233:A:THR:H	3	0.1
(1,1841)	1:233:A:THR:HG21	1:235:A:TRP:H	5	0.1
(1,1841)	1:233:A:THR:HG22	1:235:A:TRP:H	5	0.1
(1,1841)	1:233:A:THR:HG23	1:235:A:TRP:H	5	0.1
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	6	0.1
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	6	0.1
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB2	14	0.1
(1,1837)	1:233:A:THR:H	1:232:A:LEU:HB3	14	0.1
(1,1831)	1:231:A:ARG:H	1:228:A:LEU:HA	10	0.1
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	5	0.1
(1,1822)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	5	0.1
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	5	0.1
(1,1822)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	5	0.1
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	5	0.1
(1,1822)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	5	0.1
(1,1816)	1:228:A:LEU:H	1:224:A:VAL:HB	6	0.1
(1,1797)	1:224:A:VAL:H	1:221:A:ALA:HA	13	0.1
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB2	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:223:A:GLY:H	1:222:A:SER:HB3	13	0.1
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	7	0.1
(1,1784)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	7	0.1
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	7	0.1
(1,1784)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	7	0.1
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	7	0.1
(1,1784)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	7	0.1
(1,1780)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.1
(1,1777)	1:220:A:ALA:HB1	1:219:A:PHE:HB2	12	0.1
(1,1777)	1:220:A:ALA:HB1	1:219:A:PHE:HB3	12	0.1
(1,1777)	1:220:A:ALA:HB2	1:219:A:PHE:HB2	12	0.1
(1,1777)	1:220:A:ALA:HB2	1:219:A:PHE:HB3	12	0.1
(1,1777)	1:220:A:ALA:HB3	1:219:A:PHE:HB2	12	0.1
(1,1777)	1:220:A:ALA:HB3	1:219:A:PHE:HB3	12	0.1
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.1
(1,1766)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.1
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.1
(1,1766)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.1
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.1
(1,1766)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.1
(1,1706)	1:194:A:ALA:H	1:193:A:LEU:H	2	0.1
(1,1659)	1:180:A:LYS:H	1:179:A:GLU:H	14	0.1
(1,1657)	1:179:A:GLU:H	1:177:A:SER:HA	14	0.1
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	1	0.1
(1,1590)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	1	0.1
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	1	0.1
(1,1590)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	1	0.1
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	1	0.1
(1,1590)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	1	0.1
(1,1584)	1:300:A:VAL:H	1:299:A:LEU:H	9	0.1
(1,1584)	1:300:A:VAL:H	1:299:A:LEU:H	11	0.1
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	10	0.1
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	10	0.1
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	10	0.1
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	10	0.1
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	10	0.1
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	10	0.1
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	12	0.1
(1,1535)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	12	0.1
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	12	0.1
(1,1535)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	12	0.1
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	12	0.1
(1,1525)	1:262:A:LEU:H	1:261:A:TYR:HA	2	0.1
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB2	5	0.1
(1,1504)	1:253:A:THR:H	1:252:A:SER:HB3	5	0.1
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG2	14	0.1
(1,1494)	1:246:A:THR:H	1:243:A:GLU:HG3	14	0.1
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	1	0.1
(1,1473)	1:242:A:VAL:H	1:241:A:ILE:HA	11	0.1
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1472)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1463)	1:241:A:ILE:H	1:242:A:VAL:HB	12	0.1
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1459)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	12	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	12	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	12	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	12	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	12	0.1
(1,1438)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	12	0.1
(1,1435)	1:235:A:TRP:H	1:233:A:THR:H	3	0.1
(1,1428)	1:233:A:THR:HG21	1:235:A:TRP:H	5	0.1
(1,1428)	1:233:A:THR:HG22	1:235:A:TRP:H	5	0.1
(1,1428)	1:233:A:THR:HG23	1:235:A:TRP:H	5	0.1
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	6	0.1
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	6	0.1
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB2	14	0.1
(1,1424)	1:233:A:THR:H	1:232:A:LEU:HB3	14	0.1
(1,1418)	1:231:A:ARG:H	1:228:A:LEU:HA	10	0.1
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	5	0.1
(1,1409)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	5	0.1
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	5	0.1
(1,1409)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	5	0.1
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	5	0.1
(1,1409)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	5	0.1
(1,1403)	1:228:A:LEU:H	1:224:A:VAL:HB	6	0.1
(1,1384)	1:224:A:VAL:H	1:221:A:ALA:HA	13	0.1
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB2	13	0.1
(1,1381)	1:223:A:GLY:H	1:222:A:SER:HB3	13	0.1
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	7	0.1
(1,1371)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	7	0.1
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	7	0.1
(1,1371)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	7	0.1
(1,1371)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	7	0.1
(1,1367)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.1
(1,1364)	1:220:A:ALA:HB1	1:219:A:PHE:HB2	12	0.1
(1,1364)	1:220:A:ALA:HB1	1:219:A:PHE:HB3	12	0.1
(1,1364)	1:220:A:ALA:HB2	1:219:A:PHE:HB2	12	0.1
(1,1364)	1:220:A:ALA:HB2	1:219:A:PHE:HB3	12	0.1
(1,1364)	1:220:A:ALA:HB3	1:219:A:PHE:HB2	12	0.1
(1,1364)	1:220:A:ALA:HB3	1:219:A:PHE:HB3	12	0.1
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.1
(1,1353)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.1
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.1
(1,1353)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.1
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.1
(1,1353)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.1
(1,1293)	1:194:A:ALA:H	1:193:A:LEU:H	2	0.1
(1,1246)	1:180:A:LYS:H	1:179:A:GLU:H	14	0.1
(1,1244)	1:179:A:GLU:H	1:177:A:SER:HA	14	0.1
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	1	0.1
(1,1177)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	1	0.1
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	1	0.1
(1,1177)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	1	0.1
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	1	0.1
(1,1177)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	1	0.1
(1,1171)	1:300:A:VAL:H	1:299:A:LEU:H	9	0.1
(1,1171)	1:300:A:VAL:H	1:299:A:LEU:H	11	0.1
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	10	0.1
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	10	0.1
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	10	0.1
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	10	0.1
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	10	0.1
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	10	0.1
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	12	0.1
(1,1122)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	12	0.1
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	12	0.1
(1,1122)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	12	0.1
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	12	0.1
(1,1122)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	12	0.1
(1,1112)	1:262:A:LEU:H	1:261:A:TYR:HA	2	0.1
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB2	5	0.1
(1,1091)	1:253:A:THR:H	1:252:A:SER:HB3	5	0.1
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:246:A:THR:H	1:243:A:GLU:HG3	14	0.1
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	1	0.1
(1,1060)	1:242:A:VAL:H	1:241:A:ILE:HA	11	0.1
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1059)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1050)	1:241:A:ILE:H	1:242:A:VAL:HB	12	0.1
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,1046)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	12	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	12	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	12	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	12	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	12	0.1
(1,1025)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	12	0.1
(1,1022)	1:235:A:TRP:H	1:233:A:THR:H	3	0.1
(1,1015)	1:233:A:THR:HG21	1:235:A:TRP:H	5	0.1
(1,1015)	1:233:A:THR:HG22	1:235:A:TRP:H	5	0.1
(1,1015)	1:233:A:THR:HG23	1:235:A:TRP:H	5	0.1
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	6	0.1
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	6	0.1
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB2	14	0.1
(1,1011)	1:233:A:THR:H	1:232:A:LEU:HB3	14	0.1
(1,1005)	1:231:A:ARG:H	1:228:A:LEU:HA	10	0.1
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	5	0.1
(1,996)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	5	0.1
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	5	0.1
(1,996)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	5	0.1
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	5	0.1
(1,996)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	5	0.1
(1,990)	1:228:A:LEU:H	1:224:A:VAL:HB	6	0.1
(1,971)	1:224:A:VAL:H	1:221:A:ALA:HA	13	0.1
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB2	13	0.1
(1,968)	1:223:A:GLY:H	1:222:A:SER:HB3	13	0.1
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	7	0.1
(1,958)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	7	0.1
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	7	0.1
(1,958)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	7	0.1
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	7	0.1
(1,958)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	7	0.1
(1,954)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.1
(1,951)	1:220:A:ALA:HB1	1:219:A:PHE:HB2	12	0.1
(1,951)	1:220:A:ALA:HB1	1:219:A:PHE:HB3	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:220:A:ALA:HB2	1:219:A:PHE:HB2	12	0.1
(1,951)	1:220:A:ALA:HB2	1:219:A:PHE:HB3	12	0.1
(1,951)	1:220:A:ALA:HB3	1:219:A:PHE:HB2	12	0.1
(1,951)	1:220:A:ALA:HB3	1:219:A:PHE:HB3	12	0.1
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.1
(1,940)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.1
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.1
(1,940)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.1
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.1
(1,940)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.1
(1,880)	1:194:A:ALA:H	1:193:A:LEU:H	2	0.1
(1,833)	1:180:A:LYS:H	1:179:A:GLU:H	14	0.1
(1,831)	1:179:A:GLU:H	1:177:A:SER:HA	14	0.1
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	1	0.1
(1,764)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	1	0.1
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	1	0.1
(1,764)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	1	0.1
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	1	0.1
(1,764)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	1	0.1
(1,758)	1:300:A:VAL:H	1:299:A:LEU:H	9	0.1
(1,758)	1:300:A:VAL:H	1:299:A:LEU:H	11	0.1
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	10	0.1
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	10	0.1
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	10	0.1
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	10	0.1
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	10	0.1
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	10	0.1
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	12	0.1
(1,709)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	12	0.1
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	12	0.1
(1,709)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	12	0.1
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	12	0.1
(1,709)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	12	0.1
(1,699)	1:262:A:LEU:H	1:261:A:TYR:HA	2	0.1
(1,678)	1:253:A:THR:H	1:252:A:SER:HB2	5	0.1
(1,678)	1:253:A:THR:H	1:252:A:SER:HB3	5	0.1
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG2	14	0.1
(1,668)	1:246:A:THR:H	1:243:A:GLU:HG3	14	0.1
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	1	0.1
(1,647)	1:242:A:VAL:H	1:241:A:ILE:HA	11	0.1
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,646)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:241:A:ILE:H	1:242:A:VAL:HB	12	0.1
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,633)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	12	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	12	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	12	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	12	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	12	0.1
(1,612)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	12	0.1
(1,609)	1:235:A:TRP:H	1:233:A:THR:H	3	0.1
(1,602)	1:233:A:THR:HG21	1:235:A:TRP:H	5	0.1
(1,602)	1:233:A:THR:HG22	1:235:A:TRP:H	5	0.1
(1,602)	1:233:A:THR:HG23	1:235:A:TRP:H	5	0.1
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	6	0.1
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	6	0.1
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB2	14	0.1
(1,598)	1:233:A:THR:H	1:232:A:LEU:HB3	14	0.1
(1,592)	1:231:A:ARG:H	1:228:A:LEU:HA	10	0.1
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	5	0.1
(1,583)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	5	0.1
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	5	0.1
(1,583)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	5	0.1
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	5	0.1
(1,583)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	5	0.1
(1,577)	1:228:A:LEU:H	1:224:A:VAL:HB	6	0.1
(1,558)	1:224:A:VAL:H	1:221:A:ALA:HA	13	0.1
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB2	13	0.1
(1,555)	1:223:A:GLY:H	1:222:A:SER:HB3	13	0.1
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	7	0.1
(1,545)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	7	0.1
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	7	0.1
(1,545)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	7	0.1
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	7	0.1
(1,545)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	7	0.1
(1,541)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.1
(1,538)	1:220:A:ALA:HB1	1:219:A:PHE:HB2	12	0.1
(1,538)	1:220:A:ALA:HB1	1:219:A:PHE:HB3	12	0.1
(1,538)	1:220:A:ALA:HB2	1:219:A:PHE:HB2	12	0.1
(1,538)	1:220:A:ALA:HB2	1:219:A:PHE:HB3	12	0.1
(1,538)	1:220:A:ALA:HB3	1:219:A:PHE:HB2	12	0.1
(1,538)	1:220:A:ALA:HB3	1:219:A:PHE:HB3	12	0.1
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.1
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.1
(1,527)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.1
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.1
(1,527)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.1
(1,467)	1:194:A:ALA:H	1:193:A:LEU:H	2	0.1
(1,420)	1:180:A:LYS:H	1:179:A:GLU:H	14	0.1
(1,418)	1:179:A:GLU:H	1:177:A:SER:HA	14	0.1
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB2	1	0.1
(1,351)	1:300:A:VAL:HG11	1:304:A:ASP:HB3	1	0.1
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB2	1	0.1
(1,351)	1:300:A:VAL:HG12	1:304:A:ASP:HB3	1	0.1
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB2	1	0.1
(1,351)	1:300:A:VAL:HG13	1:304:A:ASP:HB3	1	0.1
(1,345)	1:300:A:VAL:H	1:299:A:LEU:H	9	0.1
(1,345)	1:300:A:VAL:H	1:299:A:LEU:H	11	0.1
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	10	0.1
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	10	0.1
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	10	0.1
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	10	0.1
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	10	0.1
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	10	0.1
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA2	12	0.1
(1,296)	1:262:A:LEU:HD11	1:259:A:GLY:HA3	12	0.1
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA2	12	0.1
(1,296)	1:262:A:LEU:HD12	1:259:A:GLY:HA3	12	0.1
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA2	12	0.1
(1,296)	1:262:A:LEU:HD13	1:259:A:GLY:HA3	12	0.1
(1,286)	1:262:A:LEU:H	1:261:A:TYR:HA	2	0.1
(1,265)	1:253:A:THR:H	1:252:A:SER:HB2	5	0.1
(1,265)	1:253:A:THR:H	1:252:A:SER:HB3	5	0.1
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG2	14	0.1
(1,255)	1:246:A:THR:H	1:243:A:GLU:HG3	14	0.1
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	1	0.1
(1,234)	1:242:A:VAL:H	1:241:A:ILE:HA	11	0.1
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,233)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,224)	1:241:A:ILE:H	1:242:A:VAL:HB	12	0.1
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB2	9	0.1
(1,220)	1:241:A:ILE:H	1:240:A:ASP:HB3	9	0.1
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD11	12	0.1
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD12	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD13	12	0.1
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD21	12	0.1
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD22	12	0.1
(1,199)	1:235:A:TRP:HE1	1:232:A:LEU:HD23	12	0.1
(1,196)	1:235:A:TRP:H	1:233:A:THR:H	3	0.1
(1,189)	1:233:A:THR:HG21	1:235:A:TRP:H	5	0.1
(1,189)	1:233:A:THR:HG22	1:235:A:TRP:H	5	0.1
(1,189)	1:233:A:THR:HG23	1:235:A:TRP:H	5	0.1
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	6	0.1
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	6	0.1
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB2	14	0.1
(1,185)	1:233:A:THR:H	1:232:A:LEU:HB3	14	0.1
(1,179)	1:231:A:ARG:H	1:228:A:LEU:HA	10	0.1
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG2	5	0.1
(1,170)	1:228:A:LEU:HD21	1:225:A:GLN:HG3	5	0.1
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG2	5	0.1
(1,170)	1:228:A:LEU:HD22	1:225:A:GLN:HG3	5	0.1
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG2	5	0.1
(1,170)	1:228:A:LEU:HD23	1:225:A:GLN:HG3	5	0.1
(1,164)	1:228:A:LEU:H	1:224:A:VAL:HB	6	0.1
(1,145)	1:224:A:VAL:H	1:221:A:ALA:HA	13	0.1
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB2	13	0.1
(1,142)	1:223:A:GLY:H	1:222:A:SER:HB3	13	0.1
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA2	7	0.1
(1,132)	1:221:A:ALA:HB1	1:218:A:GLY:HA3	7	0.1
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA2	7	0.1
(1,132)	1:221:A:ALA:HB2	1:218:A:GLY:HA3	7	0.1
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA2	7	0.1
(1,132)	1:221:A:ALA:HB3	1:218:A:GLY:HA3	7	0.1
(1,128)	1:221:A:ALA:H	1:219:A:PHE:HA	9	0.1
(1,125)	1:220:A:ALA:HB1	1:219:A:PHE:HB2	12	0.1
(1,125)	1:220:A:ALA:HB1	1:219:A:PHE:HB3	12	0.1
(1,125)	1:220:A:ALA:HB2	1:219:A:PHE:HB2	12	0.1
(1,125)	1:220:A:ALA:HB2	1:219:A:PHE:HB3	12	0.1
(1,125)	1:220:A:ALA:HB3	1:219:A:PHE:HB2	12	0.1
(1,125)	1:220:A:ALA:HB3	1:219:A:PHE:HB3	12	0.1
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA2	15	0.1
(1,114)	1:217:A:ALA:HB1	1:218:A:GLY:HA3	15	0.1
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA2	15	0.1
(1,114)	1:217:A:ALA:HB2	1:218:A:GLY:HA3	15	0.1
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA2	15	0.1
(1,114)	1:217:A:ALA:HB3	1:218:A:GLY:HA3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:194:A:ALA:H	1:193:A:LEU:H	2	0.1
(1,7)	1:180:A:LYS:H	1:179:A:GLU:H	14	0.1
(1,5)	1:179:A:GLU:H	1:177:A:SER:HA	14	0.1

10 Dihedral-angle violation analysis

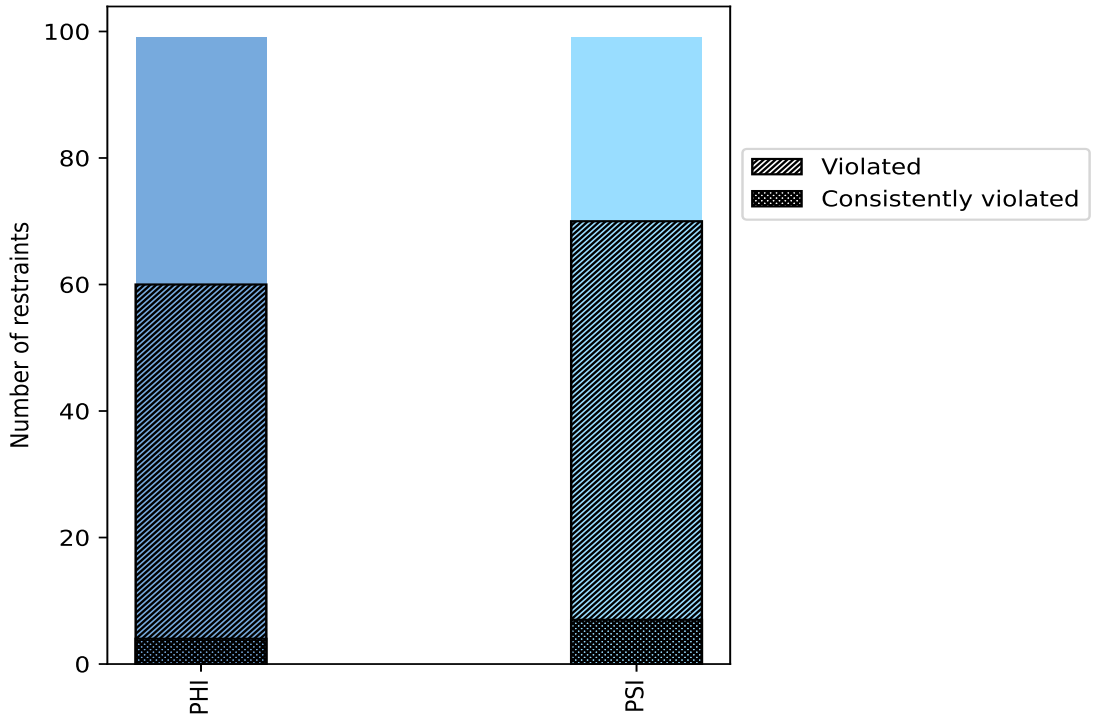
10.1 Summary of dihedral-angle violations

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]
PHI	99	50.0	60	60.6	30.3	4	4.0	2.0
PSI	99	50.0	70	70.7	35.4	7	7.1	3.5
Total	198	100.0	130	65.7	65.7	11	5.6	5.6

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



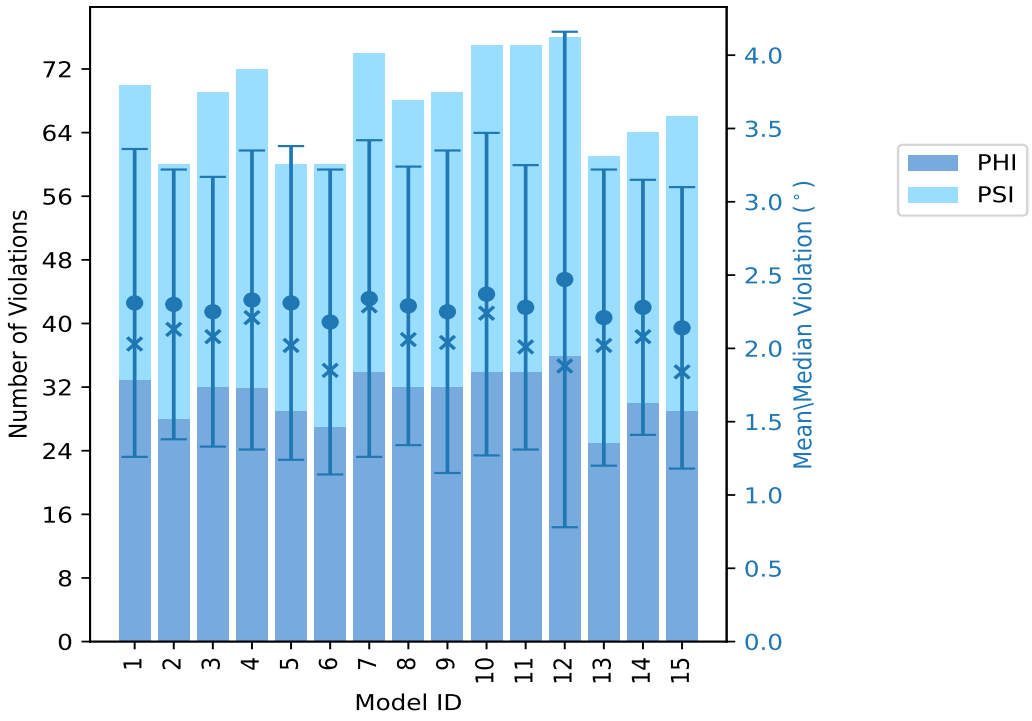
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	33	37	70	2.31	5.36	1.05	2.03
2	28	32	60	2.3	4.39	0.92	2.13
3	32	37	69	2.25	4.82	0.92	2.08
4	32	40	72	2.33	5.4	1.02	2.21
5	29	31	60	2.31	5.73	1.07	2.02
6	27	33	60	2.18	5.17	1.04	1.85
7	34	40	74	2.34	5.42	1.08	2.29
8	32	36	68	2.29	5.23	0.95	2.06
9	32	37	69	2.25	5.89	1.1	2.04
10	34	41	75	2.37	5.98	1.1	2.24
11	34	41	75	2.28	5.57	0.97	2.01
12	36	40	76	2.47	9.57	1.69	1.88
13	25	36	61	2.21	6.48	1.01	2.02
14	30	34	64	2.28	4.71	0.87	2.08
15	29	37	66	2.14	5.0	0.96	1.84

10.2.1 Bar graph : Dihedral violation statistics for each model (i)



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

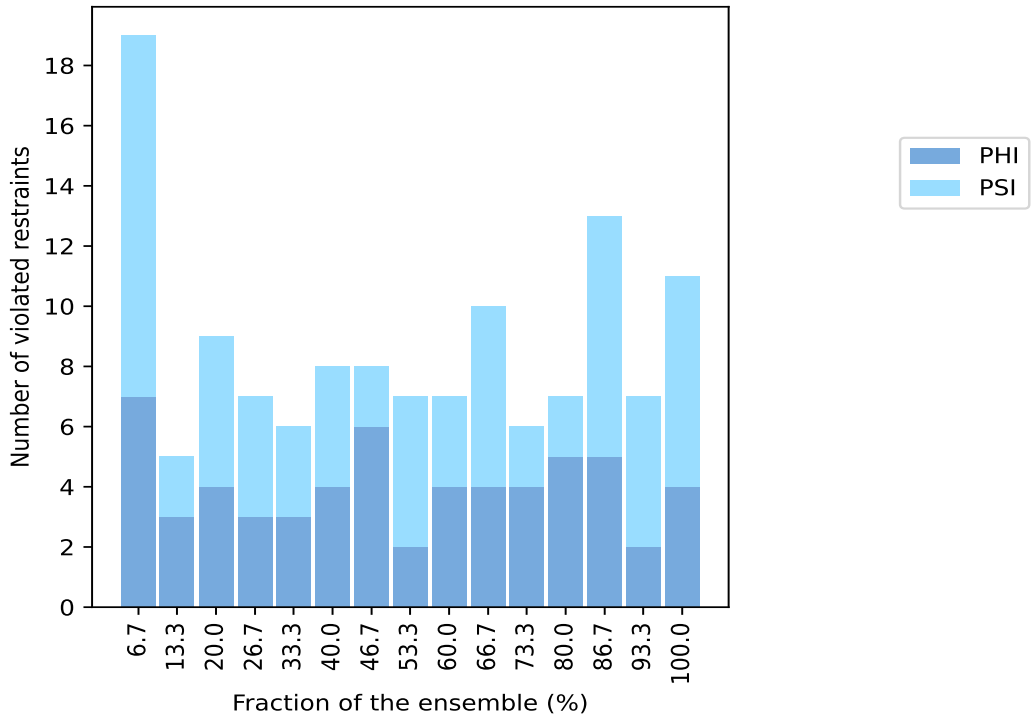
10.3 Dihedral-angle violation statistics for the ensemble (i)

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
7	12	19	1	6.7
3	2	5	2	13.3
4	5	9	3	20.0
3	4	7	4	26.7
3	3	6	5	33.3
4	4	8	6	40.0
6	2	8	7	46.7
2	5	7	8	53.3
4	3	7	9	60.0
4	6	10	10	66.7
4	2	6	11	73.3
5	2	7	12	80.0
5	8	13	13	86.7
2	5	7	14	93.3
4	7	11	15	100.0

[1] Number of models with violations

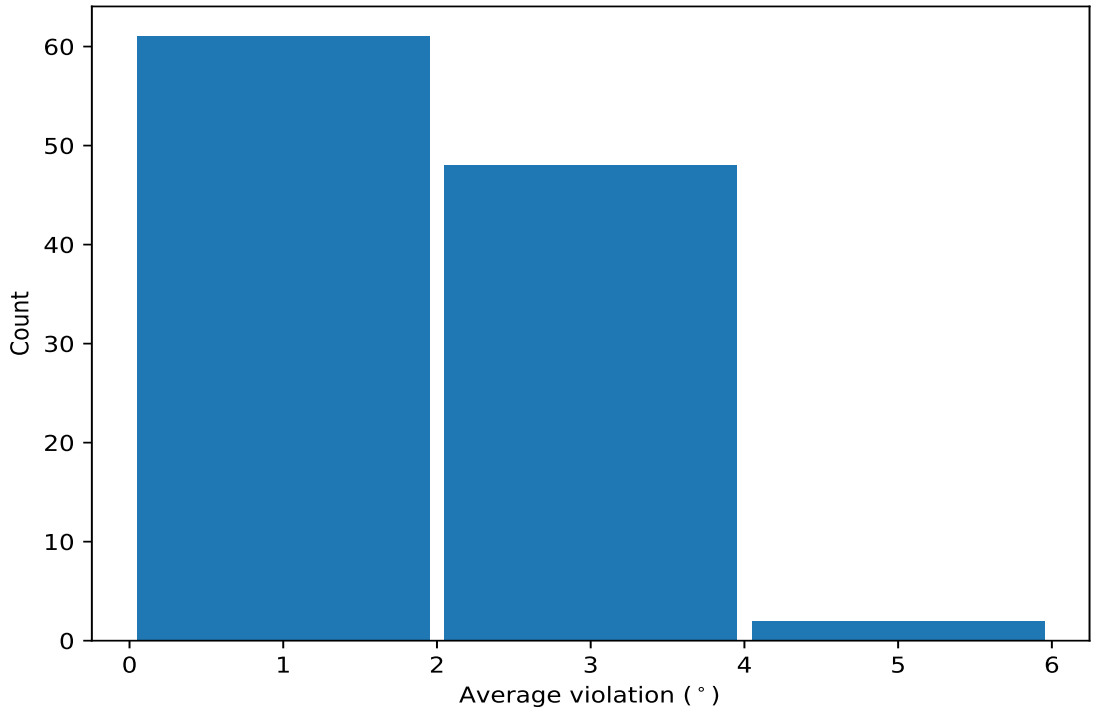
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



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
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	15	4.6	1.01	4.87
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	15	4.57	0.94	4.53
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	15	3.79	1.3	3.99
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	15	3.34	0.75	3.44
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	15	3.2	0.84	3.24
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	15	2.87	0.53	2.76
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	15	2.81	0.58	2.95
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	15	2.73	0.66	2.68
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	15	2.72	0.73	2.74
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	15	2.33	0.61	2.38
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	15	2.18	0.66	2.25
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	14	2.55	1.77	1.75
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	14	2.45	0.81	2.42
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	14	2.44	0.49	2.5
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	14	2.29	0.53	2.43
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	14	1.98	0.6	1.82
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	14	1.92	0.57	1.92
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	14	1.56	0.33	1.59
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	13	3.6	1.05	3.42
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	13	3.35	1.61	4.0
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	13	3.25	0.8	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	13	3.14	1.27	2.93
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	13	2.99	1.25	3.65
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	13	2.8	0.84	2.71
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	13	2.38	0.59	2.37
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	13	2.27	0.53	2.35
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	13	2.21	0.53	2.14
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	13	2.19	0.65	2.2
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	13	2.06	0.67	2.15
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	13	1.9	0.6	1.64
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	13	1.86	0.51	1.8
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	12	2.76	1.31	2.31
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	12	2.49	0.61	2.36
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	12	2.46	0.71	2.36
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	12	2.45	0.59	2.51
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	12	2.22	0.64	2.08
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	12	1.7	0.45	1.48
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	12	1.53	0.43	1.36
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	11	2.64	1.07	2.43
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	11	2.4	0.8	2.69
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	11	2.05	0.59	2.25
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	11	1.97	0.62	2.05
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	11	1.95	0.67	1.77
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	11	1.74	0.32	1.86
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	10	3.06	0.72	3.06
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	10	3.05	0.71	3.12
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	10	2.66	0.35	2.64
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	10	2.35	0.78	2.41
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	10	2.22	0.71	2.12
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	10	2.03	0.45	2.01
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	10	2.0	0.89	1.9
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	10	1.7	0.58	1.48
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	10	1.65	0.49	1.46
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	10	1.59	0.51	1.54
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	9	3.01	0.99	3.44
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	9	2.39	0.54	2.33
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	9	2.28	0.91	1.99
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	9	1.98	0.71	1.9
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	9	1.79	0.44	1.69
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	9	1.66	0.55	1.61
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	9	1.57	0.34	1.44
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	8	2.17	0.84	1.67
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	8	1.95	0.57	1.85
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	8	1.93	0.7	1.87
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	8	1.81	0.71	1.5
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	8	1.64	0.4	1.66
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	8	1.43	0.26	1.38
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	8	1.34	0.2	1.27
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	7	2.34	1.1	1.95
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	7	1.73	0.6	1.53
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	7	1.51	0.58	1.22
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	7	1.5	0.22	1.57

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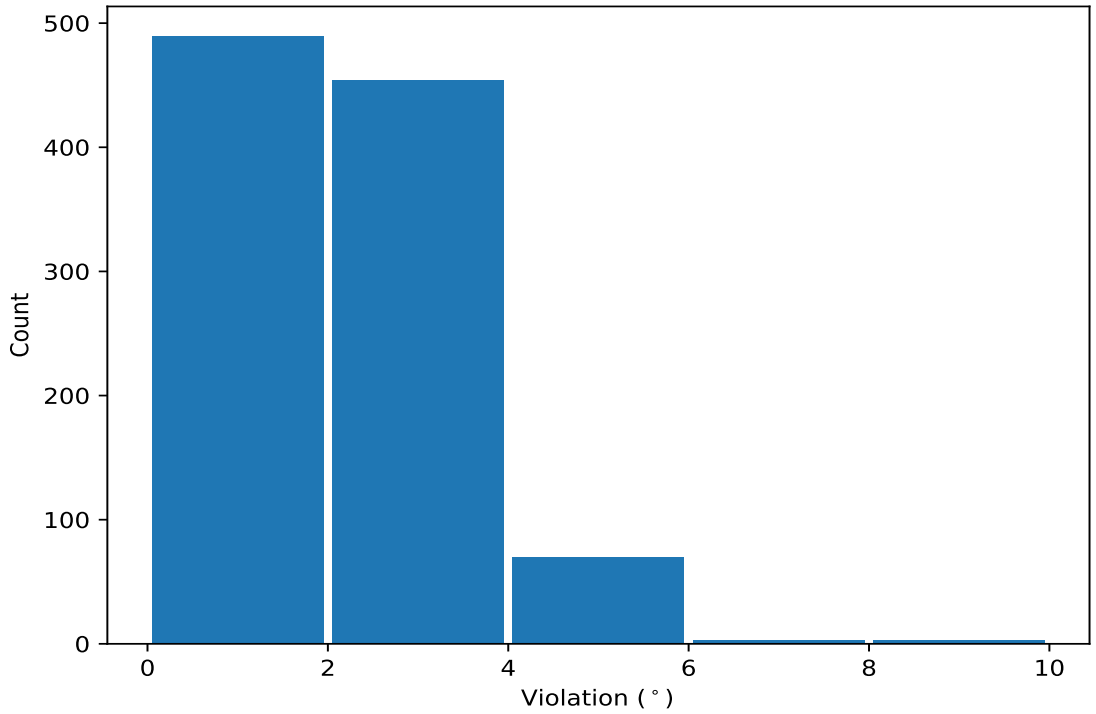
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	7	1.49	0.3	1.35
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	7	1.48	0.28	1.47
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	7	1.4	0.32	1.3
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	7	1.26	0.09	1.23
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	6	1.76	0.27	1.82
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	6	1.69	0.52	1.8
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	6	1.64	0.53	1.55
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	6	1.58	0.42	1.47
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	6	1.55	0.41	1.52
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	6	1.48	0.44	1.45
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	6	1.37	0.29	1.31
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	6	1.3	0.22	1.21
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	5	3.61	2.36	2.75
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	5	2.14	0.94	2.01
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	5	2.02	0.67	1.61
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	5	1.83	0.55	1.49
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	5	1.8	0.47	1.6
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	5	1.51	0.34	1.4
(2,47)	1:258:A:PHE:C	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	4	2.54	0.89	2.68
(2,112)	1:313:A:LEU:N	1:313:A:LEU:CA	1:313:A:LEU:C	1:314:A:ARG:N	4	1.8	0.78	1.54
(2,82)	1:298:A:ARG:N	1:298:A:ARG:CA	1:298:A:ARG:C	1:299:A:LEU:N	4	1.76	0.38	1.87
(1,67)	1:250:A:THR:C	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	4	1.64	0.38	1.52
(1,16)	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1:188:A:ASN:N	4	1.61	0.37	1.58
(1,11)	1:184:A:LEU:C	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	4	1.58	0.42	1.44
(1,14)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:GLU:N	4	1.25	0.32	1.09
(2,84)	1:299:A:LEU:N	1:299:A:LEU:CA	1:299:A:LEU:C	1:300:A:VAL:N	3	1.88	0.24	1.74
(1,78)	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	1:257:A:THR:N	3	1.86	0.52	1.9
(1,36)	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	1:201:A:ARG:N	3	1.61	0.53	1.38
(1,37)	1:200:A:LYS:C	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	3	1.58	0.23	1.5
(1,46)	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	1:231:A:ARG:N	3	1.57	0.26	1.46
(1,35)	1:199:A:ALA:C	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	3	1.42	0.26	1.39
(1,30)	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	1:198:A:ASP:N	3	1.35	0.16	1.36
(2,71)	1:292:A:ASP:C	1:293:A:ILE:N	1:293:A:ILE:CA	1:293:A:ILE:C	3	1.24	0.28	1.07
(2,51)	1:260:A:TYR:C	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	3	1.23	0.12	1.24
(1,40)	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	1:203:A:ILE:N	2	1.72	0.62	1.72
(2,55)	1:262:A:LEU:C	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	2	1.66	0.36	1.66
(2,64)	1:267:A:SER:N	1:267:A:SER:CA	1:267:A:SER:C	1:268:A:PHE:N	2	1.4	0.28	1.4
(1,27)	1:195:A:PRO:C	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	2	1.19	0.05	1.19
(2,21)	1:212:A:ASP:C	1:213:A:ARG:N	1:213:A:ARG:CA	1:213:A:ARG:C	2	1.18	0.09	1.18

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

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 (°)
(2,4)	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	1:205:A:GLN:N	12	9.57
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	12	8.12
(2,5)	1:204:A:GLU:C	1:205:A:GLN:N	1:205:A:GLN:CA	1:205:A:GLN:C	12	8.11
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	12	7.84
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	13	6.48
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	12	6.19
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	10	5.98
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	10	5.96
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	9	5.89
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	5	5.73
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	5	5.68
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	9	5.64
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	11	5.57
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	11	5.54
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	7	5.42
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	4	5.4
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1	5.36
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	4	5.36
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	8	5.23
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	1	5.2
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	7	5.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	6	5.17
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	12	5.11
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	6	5.07
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	15	5.0
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	13	4.87
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	7	4.84
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	9	4.84
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	3	4.82
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	9	4.82
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	5	4.81
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	10	4.79
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	7	4.77
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	1	4.77
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	14	4.71
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	4	4.68
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	15	4.58
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	12	4.53
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	9	4.53
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	7	4.47
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	1	4.43
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	15	4.42
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	14	4.4
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	5	4.39
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	2	4.39
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	2	4.39
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	8	4.36
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	8	4.35
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	4	4.35
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	4	4.32
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	2	4.3
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	7	4.3
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	15	4.28
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	5	4.27
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	2	4.24
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	4	4.24
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	10	4.22
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1	4.22
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	2	4.17
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	6	4.14
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	5	4.13
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	1	4.1
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	1	4.1
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	14	4.09
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	8	4.06
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	11	4.06
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	2	4.05
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	13	4.05
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	10	4.04
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	10	4.03
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	4	4.02
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	3	4.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	13	4.0
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	9	4.0
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	8	4.0
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	10	4.0
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	3	3.99
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	7	3.98
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	9	3.98
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	14	3.96
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1	3.93
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1	3.92
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	10	3.9
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	8	3.88
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	5	3.87
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	1	3.83
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	14	3.83
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	4	3.82
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	15	3.81
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	4	3.79
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	11	3.79
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	7	3.77
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	6	3.77
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	15	3.77
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	10	3.76
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	9	3.76
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	15	3.75
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	6	3.75
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	14	3.74
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	6	3.68
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	2	3.68
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	6	3.68
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	14	3.68
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	10	3.67
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	3	3.65
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	3	3.64
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	11	3.63
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	7	3.63
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	10	3.61
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	5	3.61
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	11	3.6
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	3	3.59
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	11	3.58
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	11	3.57
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	8	3.55
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	15	3.55
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	14	3.54
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	3	3.53
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	2	3.53
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	4	3.5
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	6	3.5
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	8	3.5
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	11	3.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	10	3.5
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	11	3.5
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	7	3.49
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	7	3.49
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	6	3.49
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	3	3.47
(2,47)	1:258:A:PHE:C	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	12	3.47
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	12	3.46
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	13	3.46
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	15	3.44
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	12	3.44
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	6	3.43
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	8	3.43
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	14	3.42
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	2	3.42
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	15	3.41
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	1	3.41
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	14	3.4
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	2	3.4
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	3	3.38
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	11	3.37
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	10	3.37
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	14	3.37
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	15	3.36
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	11	3.35
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	2	3.35
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	8	3.33
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	10	3.32
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	8	3.31
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	1	3.31
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	7	3.31
(2,47)	1:258:A:PHE:C	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	13	3.3
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	14	3.3
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	3	3.3
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	3	3.3
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	3	3.29
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	3	3.29
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	13	3.29
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	12	3.29
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	14	3.29
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	3	3.28
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	3	3.28
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	7	3.27
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	6	3.26
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	4	3.25
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	6	3.24
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	7	3.24
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	6	3.23
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	13	3.21
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	3	3.2
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	1	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	13	3.2
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	7	3.2
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	1	3.2
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	11	3.2
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	8	3.19
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	3	3.19
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	10	3.18
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	6	3.18
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1	3.17
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	4	3.17
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	12	3.16
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	8	3.16
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	13	3.16
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	10	3.15
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	4	3.13
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	4	3.12
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	11	3.12
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	11	3.1
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	8	3.1
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	10	3.08
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	8	3.08
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	7	3.07
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	12	3.07
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	12	3.06
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	6	3.06
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	9	3.06
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	5	3.06
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	5	3.05
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	9	3.05
(2,112)	1:313:A:LEU:N	1:313:A:LEU:CA	1:313:A:LEU:C	1:314:A:ARG:N	3	3.04
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	10	3.04
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	7	3.03
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	4	3.03
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	11	3.03
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	4	3.02
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	9	3.02
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	11	3.02
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	10	3.0
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	15	3.0
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	11	2.99
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	7	2.99
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	6	2.98
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1	2.97
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	1	2.96
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	12	2.96
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	9	2.96
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	5	2.96
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	8	2.96
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	13	2.96
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	10	2.95
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	3	2.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	7	2.95
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	13	2.95
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	8	2.95
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	3	2.94
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	9	2.94
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	3	2.94
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	11	2.93
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	2	2.93
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	10	2.92
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	5	2.92
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	7	2.92
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	1	2.91
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	9	2.9
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	12	2.9
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	6	2.89
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	12	2.89
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	13	2.89
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	2	2.88
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	9	2.87
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	4	2.87
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	14	2.87
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	8	2.87
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	9	2.86
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	8	2.86
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	5	2.86
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	15	2.86
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	13	2.86
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	5	2.84
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	7	2.84
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	10	2.83
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	12	2.83
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	12	2.83
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	10	2.83
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	8	2.82
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1	2.82
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	3	2.82
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	2	2.82
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	9	2.82
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	7	2.81
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	5	2.81
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	12	2.81
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	11	2.8
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	13	2.8
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	11	2.79
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	8	2.79
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	7	2.79
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	5	2.79
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	2	2.78
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	15	2.78
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	12	2.77
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	12	2.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	7	2.76
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	2	2.76
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	8	2.76
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	12	2.76
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	4	2.76
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	7	2.75
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	12	2.75
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	4	2.75
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	9	2.74
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	3	2.73
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	12	2.73
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	15	2.73
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	12	2.73
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	5	2.72
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	11	2.72
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	9	2.72
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	11	2.72
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	5	2.71
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	8	2.71
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	9	2.7
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	8	2.7
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	9	2.7
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	11	2.69
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	10	2.69
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	1	2.68
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	10	2.68
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	13	2.68
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	2	2.68
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	14	2.67
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	13	2.66
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	11	2.65
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	5	2.65
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	14	2.65
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	7	2.64
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	11	2.63
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	12	2.63
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	7	2.63
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	7	2.62
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	10	2.62
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	8	2.61
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	2	2.61
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	8	2.6
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	7	2.6
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	6	2.59
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	7	2.58
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	6	2.58
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	4	2.58
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	1	2.57
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	7	2.57
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	4	2.57
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	9	2.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	11	2.57
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	13	2.57
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	1	2.56
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	11	2.56
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	11	2.56
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	5	2.56
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1	2.55
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	15	2.55
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	11	2.55
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	3	2.54
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	1	2.54
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	10	2.52
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	15	2.51
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	15	2.51
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	15	2.51
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	10	2.51
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	1	2.5
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	9	2.5
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	9	2.5
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	13	2.5
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	4	2.5
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	10	2.5
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	9	2.49
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	11	2.49
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	4	2.49
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	4	2.49
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	15	2.49
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	13	2.48
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	8	2.48
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	4	2.48
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	14	2.47
(1,78)	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	1:257:A:THR:N	2	2.47
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	10	2.47
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	14	2.47
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	13	2.47
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	2	2.46
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	2	2.46
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	2	2.46
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	14	2.45
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	4	2.45
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	10	2.45
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	14	2.45
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	3	2.45
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	4	2.44
(2,60)	1:265:A:GLN:N	1:265:A:GLN:CA	1:265:A:GLN:C	1:266:A:GLN:N	3	2.44
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	13	2.44
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	15	2.44
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	14	2.44
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	14	2.43
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	6	2.43
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	3	2.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	11	2.43
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	3	2.42
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	5	2.42
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	13	2.42
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	4	2.41
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	7	2.41
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	10	2.4
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	8	2.4
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	7	2.39
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	13	2.39
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	9	2.39
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	6	2.38
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	7	2.38
(2,61)	1:265:A:GLN:C	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	9	2.37
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	12	2.37
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	1	2.37
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	10	2.37
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	2	2.37
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	2	2.37
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	3	2.36
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	10	2.36
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	5	2.36
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	2	2.36
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	11	2.36
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	2	2.36
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	14	2.36
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	7	2.36
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	14	2.36
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	6	2.36
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	14	2.35
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	2	2.34
(1,36)	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	1:201:A:ARG:N	12	2.34
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	10	2.34
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	9	2.33
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	7	2.33
(1,40)	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	1:203:A:ILE:N	4	2.33
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	4	2.33
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	9	2.32
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	7	2.31
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	11	2.31
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	3	2.31
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	2	2.31
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	4	2.31
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	14	2.3
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	4	2.3
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	15	2.3
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	8	2.29
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	4	2.29
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	5	2.29
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1	2.29
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	9	2.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	8	2.28
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	14	2.28
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	10	2.28
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	14	2.28
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	4	2.28
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	15	2.28
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	7	2.27
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	5	2.27
(1,11)	1:184:A:LEU:C	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	13	2.27
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	6	2.26
(1,67)	1:250:A:THR:C	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	10	2.26
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	3	2.26
(2,1)	1:202:A:LYS:C	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	4	2.25
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	9	2.25
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	14	2.25
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	3	2.25
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	10	2.24
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	12	2.24
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	11	2.23
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	5	2.23
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	9	2.23
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	3	2.23
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	2	2.23
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	5	2.22
(1,51)	1:232:A:LEU:C	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	3	2.22
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	4	2.22
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	12	2.22
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	1	2.22
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	9	2.22
(2,84)	1:299:A:LEU:N	1:299:A:LEU:CA	1:299:A:LEU:C	1:300:A:VAL:N	7	2.21
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	10	2.21
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	13	2.21
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	8	2.21
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	13	2.21
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	6	2.21
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	13	2.21
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	1	2.2
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	4	2.2
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	15	2.19
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	12	2.19
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	15	2.19
(2,82)	1:298:A:ARG:N	1:298:A:ARG:CA	1:298:A:ARG:C	1:299:A:LEU:N	5	2.18
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	10	2.18
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	2	2.18
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	10	2.17
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	4	2.16
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	14	2.16
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	4	2.16
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	14	2.16
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	7	2.15
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	13	2.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	5	2.15
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	12	2.14
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	1	2.14
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	8	2.14
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	8	2.14
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	9	2.13
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	6	2.13
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1	2.12
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1	2.12
(1,16)	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1:188:A:ASN:N	12	2.12
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	15	2.11
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	8	2.11
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	14	2.11
(1,32)	1:198:A:ASP:N	1:198:A:ASP:CA	1:198:A:ASP:C	1:199:A:ALA:N	5	2.1
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	4	2.09
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	2	2.08
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	3	2.08
(2,47)	1:258:A:PHE:C	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	11	2.07
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	6	2.07
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	2	2.07
(1,29)	1:196:A:LEU:C	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	2	2.07
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	15	2.07
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	15	2.06
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	4	2.06
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	11	2.06
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	6	2.06
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	1	2.06
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	1	2.05
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1	2.05
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	10	2.05
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	14	2.05
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	13	2.05
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	14	2.04
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	2	2.04
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	6	2.04
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	9	2.04
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	5	2.03
(2,55)	1:262:A:LEU:C	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	8	2.02
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	3	2.02
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	13	2.02
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	14	2.02
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	4	2.01
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	5	2.01
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	1	2.01
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	13	2.01
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	11	2.01
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	6	2.01
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	15	2.01
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	8	2.0
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	15	2.0
(1,74)	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1:255:A:ALA:N	14	1.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	12	1.99
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	9	1.99
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	14	1.99
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	4	1.98
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	8	1.97
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	10	1.97
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	11	1.97
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	10	1.96
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	13	1.96
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	14	1.96
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	11	1.95
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	12	1.95
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	1	1.95
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	10	1.94
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	2	1.94
(1,58)	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	1:247:A:TYR:N	5	1.94
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	5	1.94
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	6	1.94
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	5	1.94
(2,82)	1:298:A:ARG:N	1:298:A:ARG:CA	1:298:A:ARG:C	1:299:A:LEU:N	15	1.93
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	11	1.93
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	11	1.93
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	3	1.93
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	15	1.92
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	3	1.92
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	2	1.92
(1,46)	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	1:231:A:ARG:N	8	1.92
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	8	1.92
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	14	1.91
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	10	1.91
(1,78)	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	1:257:A:THR:N	12	1.9
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	1	1.9
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	8	1.9
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	13	1.9
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1	1.9
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	3	1.9
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	3	1.89
(1,37)	1:200:A:LYS:C	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	12	1.89
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	13	1.89
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	10	1.89
(2,112)	1:313:A:LEU:N	1:313:A:LEU:CA	1:313:A:LEU:C	1:314:A:ARG:N	14	1.88
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	9	1.88
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	3	1.88
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	12	1.88
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	14	1.88
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	10	1.88
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	5	1.88
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	7	1.87
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	12	1.87
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	2	1.87
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	4	1.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	5	1.87
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	4	1.87
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1	1.87
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	2	1.86
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	15	1.86
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	11	1.86
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	7	1.86
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	5	1.86
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	12	1.86
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	3	1.85
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	8	1.85
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	3	1.85
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	13	1.85
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	4	1.84
(1,21)	1:189:A:ALA:C	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	8	1.84
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	12	1.84
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	9	1.83
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	14	1.83
(2,54)	1:262:A:LEU:N	1:262:A:LEU:CA	1:262:A:LEU:C	1:263:A:TYR:N	12	1.83
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	8	1.83
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	2	1.83
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	12	1.83
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	11	1.83
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	9	1.83
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	4	1.83
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	12	1.82
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	3	1.82
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	11	1.82
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	14	1.82
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	8	1.82
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	15	1.82
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	14	1.81
(2,82)	1:298:A:ARG:N	1:298:A:ARG:CA	1:298:A:ARG:C	1:299:A:LEU:N	11	1.81
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	7	1.81
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	2	1.81
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	7	1.81
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	11	1.81
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	12	1.81
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	1	1.8
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	15	1.8
(1,14)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:GLU:N	4	1.8
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	2	1.8
(1,4)	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	1:182:A:LEU:N	3	1.8
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	3	1.79
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	13	1.79
(1,16)	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1:188:A:ASN:N	11	1.79
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1	1.78
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	3	1.78
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	14	1.77
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	2	1.77
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	1	1.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	14	1.77
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	5	1.77
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	6	1.76
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	9	1.76
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	6	1.76
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	1	1.76
(1,35)	1:199:A:ALA:C	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	12	1.76
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	7	1.75
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	13	1.75
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	13	1.75
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	1	1.75
(2,84)	1:299:A:LEU:N	1:299:A:LEU:CA	1:299:A:LEU:C	1:300:A:VAL:N	12	1.74
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	8	1.74
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	14	1.74
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	5	1.74
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	10	1.74
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	7	1.74
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1	1.74
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	12	1.73
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	14	1.73
(2,3)	1:203:A:ILE:C	1:204:A:GLU:N	1:204:A:GLU:CA	1:204:A:GLU:C	14	1.72
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	11	1.72
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	5	1.71
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	1	1.71
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	2	1.7
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	11	1.7
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	15	1.69
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	1	1.69
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	15	1.69
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	15	1.69
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	9	1.69
(2,84)	1:299:A:LEU:N	1:299:A:LEU:CA	1:299:A:LEU:C	1:300:A:VAL:N	8	1.68
(2,64)	1:267:A:SER:N	1:267:A:SER:CA	1:267:A:SER:C	1:268:A:PHE:N	11	1.68
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	15	1.68
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	7	1.67
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	7	1.66
(2,46)	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	1:227:A:GLY:N	13	1.66
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	10	1.66
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	15	1.66
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	6	1.65
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	11	1.65
(2,71)	1:292:A:ASP:C	1:293:A:ILE:N	1:293:A:ILE:CA	1:293:A:ILE:C	4	1.64
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	2	1.64
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	5	1.64
(1,67)	1:250:A:THR:C	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	9	1.64
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	5	1.64
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	6	1.63
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	15	1.63
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	15	1.62
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	4	1.62
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	13	1.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	4	1.61
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	15	1.61
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	12	1.61
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	10	1.61
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	12	1.61
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	14	1.61
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	10	1.6
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	9	1.6
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1	1.6
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	6	1.6
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	8	1.6
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	4	1.6
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	10	1.59
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	4	1.59
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	10	1.59
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	6	1.59
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	1	1.58
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	7	1.58
(2,8)	1:206:A:GLU:N	1:206:A:GLU:CA	1:206:A:GLU:C	1:207:A:ALA:N	2	1.57
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	2	1.57
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	5	1.57
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	12	1.57
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	10	1.57
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	13	1.57
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	11	1.56
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	6	1.56
(2,12)	1:208:A:GLU:N	1:208:A:GLU:CA	1:208:A:GLU:C	1:209:A:ALA:N	12	1.55
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	9	1.55
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	8	1.55
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	15	1.55
(1,30)	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	1:198:A:ASP:N	10	1.55
(1,9)	1:183:A:LEU:C	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	7	1.55
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	9	1.55
(2,107)	1:310:A:LEU:C	1:311:A:LYS:N	1:311:A:LYS:CA	1:311:A:LYS:C	1	1.54
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	11	1.54
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	5	1.54
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	13	1.54
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	6	1.54
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	9	1.53
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	4	1.53
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	14	1.53
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	15	1.53
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1	1.52
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	13	1.52
(2,80)	1:297:A:ASN:N	1:297:A:ASN:CA	1:297:A:ASN:C	1:298:A:ARG:N	5	1.51
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	11	1.51
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	4	1.51
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	12	1.51
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	15	1.51
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	6	1.51
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	2	1.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	4	1.51
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	4	1.5
(2,57)	1:263:A:TYR:C	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	5	1.5
(1,63)	1:248:A:PHE:C	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	8	1.5
(1,37)	1:200:A:LYS:C	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	2	1.5
(1,11)	1:184:A:LEU:C	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	11	1.5
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	1	1.49
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	1	1.49
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	8	1.49
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	7	1.49
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	12	1.49
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	5	1.49
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	3	1.48
(1,2)	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	1:181:A:LYS:N	15	1.48
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	8	1.47
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	3	1.47
(1,8)	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	1:184:A:LEU:N	12	1.47
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	7	1.47
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	9	1.46
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	3	1.46
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	7	1.46
(1,46)	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	1:231:A:ARG:N	10	1.46
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	6	1.46
(2,62)	1:266:A:GLN:N	1:266:A:GLN:CA	1:266:A:GLN:C	1:267:A:SER:N	6	1.45
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	14	1.45
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	12	1.45
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	13	1.45
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	2	1.45
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	8	1.44
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	8	1.44
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	14	1.44
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	9	1.44
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	13	1.44
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	13	1.44
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	7	1.43
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	3	1.43
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	15	1.43
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	13	1.43
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	2	1.43
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	11	1.43
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	15	1.43
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	9	1.43
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	14	1.42
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	9	1.42
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	11	1.42
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	5	1.41
(2,96)	1:305:A:GLU:N	1:305:A:GLU:CA	1:305:A:GLU:C	1:306:A:LEU:N	8	1.41
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	15	1.41
(1,82)	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1:259:A:GLY:N	15	1.41
(1,67)	1:250:A:THR:C	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	12	1.41
(1,3)	1:180:A:LYS:C	1:181:A:LYS:N	1:181:A:LYS:CA	1:181:A:LYS:C	5	1.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	8	1.4
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1	1.4
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	6	1.4
(1,73)	1:253:A:THR:C	1:254:A:VAL:N	1:254:A:VAL:CA	1:254:A:VAL:C	6	1.4
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	5	1.4
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	9	1.39
(1,35)	1:199:A:ALA:C	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	1	1.39
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	5	1.39
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	15	1.38
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	7	1.38
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	12	1.38
(1,36)	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	1:201:A:ARG:N	11	1.38
(1,11)	1:184:A:LEU:C	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1	1.38
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	6	1.37
(2,51)	1:260:A:TYR:C	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	8	1.37
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	11	1.37
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	12	1.37
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	9	1.37
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1	1.37
(2,113)	1:313:A:LEU:C	1:314:A:ARG:N	1:314:A:ARG:CA	1:314:A:ARG:C	12	1.36
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	8	1.36
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	14	1.36
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	10	1.36
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	12	1.36
(1,30)	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	1:198:A:ASP:N	3	1.36
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	12	1.36
(1,16)	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1:188:A:ASN:N	8	1.36
(1,5)	1:181:A:LYS:C	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	14	1.36
(2,48)	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	1:260:A:TYR:N	12	1.35
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	1	1.35
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	4	1.35
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	13	1.35
(1,49)	1:231:A:ARG:C	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	15	1.35
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	3	1.35
(1,37)	1:200:A:LYS:C	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	11	1.35
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	6	1.34
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	12	1.34
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	13	1.34
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1	1.34
(1,44)	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	1:230:A:ALA:N	3	1.34
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	6	1.34
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	11	1.34
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	5	1.34
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	5	1.33
(1,72)	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1:254:A:VAL:N	15	1.33
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	11	1.33
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	5	1.33
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	11	1.33
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	7	1.33
(2,47)	1:258:A:PHE:C	1:259:A:GLY:N	1:259:A:GLY:CA	1:259:A:GLY:C	9	1.32
(1,65)	1:249:A:ALA:C	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	10	1.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	4	1.32
(1,46)	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	1:231:A:ARG:N	1	1.32
(1,20)	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1:190:A:GLU:N	1	1.32
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	2	1.32
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	4	1.31
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	12	1.31
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	1	1.3
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	11	1.3
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	11	1.3
(1,59)	1:246:A:THR:C	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	7	1.3
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	9	1.3
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	9	1.3
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	7	1.3
(2,66)	1:268:A:PHE:N	1:268:A:PHE:CA	1:268:A:PHE:C	1:269:A:GLU:N	7	1.29
(2,55)	1:262:A:LEU:C	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	6	1.29
(1,69)	1:251:A:TYR:C	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	7	1.29
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	3	1.29
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	7	1.29
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	14	1.29
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	12	1.29
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	9	1.28
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	6	1.28
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	15	1.28
(2,56)	1:263:A:TYR:N	1:263:A:TYR:CA	1:263:A:TYR:C	1:264:A:THR:N	6	1.27
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	3	1.27
(2,21)	1:212:A:ASP:C	1:213:A:ARG:N	1:213:A:ARG:CA	1:213:A:ARG:C	12	1.27
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	11	1.27
(1,67)	1:250:A:THR:C	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	14	1.27
(1,38)	1:201:A:ARG:N	1:201:A:ARG:CA	1:201:A:ARG:C	1:202:A:LYS:N	4	1.27
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	10	1.27
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	6	1.27
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	13	1.26
(1,75)	1:254:A:VAL:C	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	7	1.26
(1,70)	1:252:A:SER:N	1:252:A:SER:CA	1:252:A:SER:C	1:253:A:THR:N	7	1.26
(1,61)	1:247:A:TYR:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	14	1.26
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	4	1.26
(1,43)	1:228:A:LEU:C	1:229:A:PHE:N	1:229:A:PHE:CA	1:229:A:PHE:C	10	1.26
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	5	1.26
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	9	1.26
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	3	1.26
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	1	1.25
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	3	1.25
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	4	1.25
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	4	1.25
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	11	1.25
(1,39)	1:201:A:ARG:C	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	10	1.25
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	8	1.25
(1,22)	1:190:A:GLU:N	1:190:A:GLU:CA	1:190:A:GLU:C	1:191:A:THR:N	12	1.25
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	2	1.25
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	2	1.25
(2,51)	1:260:A:TYR:C	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	9	1.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	5	1.24
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	9	1.24
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	2	1.24
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	11	1.24
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	10	1.24
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	9	1.24
(1,27)	1:195:A:PRO:C	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	14	1.24
(1,18)	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1:189:A:ALA:N	9	1.24
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	8	1.24
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	9	1.24
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	15	1.23
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	10	1.23
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	15	1.23
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	2	1.23
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	7	1.23
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	13	1.22
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	10	1.22
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	14	1.22
(1,13)	1:185:A:GLN:C	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	3	1.22
(2,112)	1:313:A:LEU:N	1:313:A:LEU:CA	1:313:A:LEU:C	1:314:A:ARG:N	7	1.21
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	3	1.21
(2,69)	1:269:A:GLU:C	1:270:A:TYR:N	1:270:A:TYR:CA	1:270:A:TYR:C	6	1.21
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	9	1.21
(2,26)	1:215:A:ALA:N	1:215:A:ALA:CA	1:215:A:ALA:C	1:216:A:TRP:N	13	1.21
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	7	1.21
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	4	1.21
(1,57)	1:245:A:VAL:C	1:246:A:THR:N	1:246:A:THR:CA	1:246:A:THR:C	13	1.21
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	8	1.21
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	9	1.21
(2,7)	1:205:A:GLN:C	1:206:A:GLU:N	1:206:A:GLU:CA	1:206:A:GLU:C	12	1.2
(1,78)	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	1:257:A:THR:N	4	1.2
(1,45)	1:229:A:PHE:C	1:230:A:ALA:N	1:230:A:ALA:CA	1:230:A:ALA:C	7	1.2
(1,1)	1:179:A:GLU:C	1:180:A:LYS:N	1:180:A:LYS:CA	1:180:A:LYS:C	11	1.2
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	4	1.19
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	9	1.19
(1,55)	1:244:A:PRO:C	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	10	1.19
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	5	1.19
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	8	1.19
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	2	1.19
(2,67)	1:268:A:PHE:C	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	15	1.18
(1,66)	1:250:A:THR:N	1:250:A:THR:CA	1:250:A:THR:C	1:251:A:TYR:N	4	1.18
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	13	1.18
(2,77)	1:295:A:LYS:C	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	9	1.17
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	3	1.17
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	3	1.17
(1,76)	1:255:A:ALA:N	1:255:A:ALA:CA	1:255:A:ALA:C	1:256:A:ALA:N	12	1.17
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	15	1.17
(1,25)	1:191:A:THR:C	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1	1.17
(1,16)	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	1:188:A:ASN:N	1	1.17
(1,11)	1:184:A:LEU:C	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	7	1.17
(2,76)	1:295:A:LYS:N	1:295:A:LYS:CA	1:295:A:LYS:C	1:296:A:TYR:N	6	1.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	1	1.16
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	3	1.16
(1,10)	1:184:A:LEU:N	1:184:A:LEU:CA	1:184:A:LEU:C	1:185:A:GLN:N	7	1.16
(2,58)	1:264:A:THR:N	1:264:A:THR:CA	1:264:A:THR:C	1:265:A:GLN:N	8	1.15
(1,30)	1:197:A:HIS:N	1:197:A:HIS:CA	1:197:A:HIS:C	1:198:A:ASP:N	13	1.15
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	2	1.14
(2,82)	1:298:A:ARG:N	1:298:A:ARG:CA	1:298:A:ARG:C	1:299:A:LEU:N	10	1.14
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	3	1.14
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	12	1.14
(1,27)	1:195:A:PRO:C	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	4	1.14
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	3	1.14
(2,108)	1:311:A:LYS:N	1:311:A:LYS:CA	1:311:A:LYS:C	1:312:A:ARG:N	10	1.13
(2,68)	1:269:A:GLU:N	1:269:A:GLU:CA	1:269:A:GLU:C	1:270:A:TYR:N	6	1.13
(2,10)	1:207:A:ALA:N	1:207:A:ALA:CA	1:207:A:ALA:C	1:208:A:GLU:N	15	1.13
(2,2)	1:203:A:ILE:N	1:203:A:ILE:CA	1:203:A:ILE:C	1:204:A:GLU:N	10	1.13
(1,80)	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	1:258:A:PHE:N	3	1.13
(1,56)	1:245:A:VAL:N	1:245:A:VAL:CA	1:245:A:VAL:C	1:246:A:THR:N	11	1.13
(1,34)	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	1:200:A:LYS:N	2	1.13
(1,19)	1:188:A:ASN:C	1:189:A:ALA:N	1:189:A:ALA:CA	1:189:A:ALA:C	1	1.13
(2,64)	1:267:A:SER:N	1:267:A:SER:CA	1:267:A:SER:C	1:268:A:PHE:N	8	1.12
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	6	1.12
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	7	1.12
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	15	1.12
(1,35)	1:199:A:ALA:C	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	6	1.12
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	8	1.12
(1,14)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:GLU:N	15	1.12
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	10	1.11
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	7	1.11
(2,45)	1:225:A:GLN:C	1:226:A:THR:N	1:226:A:THR:CA	1:226:A:THR:C	4	1.1
(1,40)	1:202:A:LYS:N	1:202:A:LYS:CA	1:202:A:LYS:C	1:203:A:ILE:N	5	1.1
(1,36)	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	1:201:A:ARG:N	2	1.1
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	10	1.1
(2,101)	1:307:A:ARG:C	1:308:A:ASN:N	1:308:A:ASN:CA	1:308:A:ASN:C	9	1.09
(2,88)	1:301:A:THR:N	1:301:A:THR:CA	1:301:A:THR:C	1:302:A:GLU:N	4	1.09
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	2	1.09
(1,17)	1:187:A:GLU:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	10	1.09
(2,51)	1:260:A:TYR:C	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	15	1.08
(2,21)	1:212:A:ASP:C	1:213:A:ARG:N	1:213:A:ARG:CA	1:213:A:ARG:C	14	1.08
(1,79)	1:256:A:ALA:C	1:257:A:THR:N	1:257:A:THR:CA	1:257:A:THR:C	13	1.08
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	8	1.08
(1,64)	1:249:A:ALA:N	1:249:A:ALA:CA	1:249:A:ALA:C	1:250:A:THR:N	15	1.08
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	15	1.08
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	12	1.08
(2,112)	1:313:A:LEU:N	1:313:A:LEU:CA	1:313:A:LEU:C	1:314:A:ARG:N	4	1.07
(2,71)	1:292:A:ASP:C	1:293:A:ILE:N	1:293:A:ILE:CA	1:293:A:ILE:C	9	1.07
(1,68)	1:251:A:TYR:N	1:251:A:TYR:CA	1:251:A:TYR:C	1:252:A:SER:N	5	1.07
(1,53)	1:243:A:GLU:C	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	11	1.07
(1,50)	1:232:A:LEU:N	1:232:A:LEU:CA	1:232:A:LEU:C	1:233:A:THR:N	8	1.07
(1,23)	1:190:A:GLU:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	11	1.07
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	7	1.07
(1,77)	1:255:A:ALA:C	1:256:A:ALA:N	1:256:A:ALA:CA	1:256:A:ALA:C	15	1.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,52)	1:233:A:THR:N	1:233:A:THR:CA	1:233:A:THR:C	1:234:A:TRP:N	10	1.06
(1,15)	1:186:A:LEU:C	1:187:A:GLU:N	1:187:A:GLU:CA	1:187:A:GLU:C	14	1.06
(1,14)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:GLU:N	6	1.06
(1,62)	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	1:249:A:ALA:N	12	1.05
(1,47)	1:230:A:ALA:C	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	11	1.05
(1,28)	1:196:A:LEU:N	1:196:A:LEU:CA	1:196:A:LEU:C	1:197:A:HIS:N	6	1.05
(2,43)	1:224:A:VAL:C	1:225:A:GLN:N	1:225:A:GLN:CA	1:225:A:GLN:C	3	1.04
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	1	1.04
(1,71)	1:252:A:SER:C	1:253:A:THR:N	1:253:A:THR:CA	1:253:A:THR:C	13	1.04
(1,26)	1:192:A:LEU:N	1:192:A:LEU:CA	1:192:A:LEU:C	1:193:A:LEU:N	3	1.04
(1,6)	1:182:A:LEU:N	1:182:A:LEU:CA	1:182:A:LEU:C	1:183:A:LEU:N	6	1.04
(2,116)	1:315:A:ASP:N	1:315:A:ASP:CA	1:315:A:ASP:C	1:316:A:PRO:N	10	1.03
(1,41)	1:227:A:GLY:C	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	5	1.03
(1,12)	1:185:A:GLN:N	1:185:A:GLN:CA	1:185:A:GLN:C	1:186:A:LEU:N	7	1.03
(1,7)	1:182:A:LEU:C	1:183:A:LEU:N	1:183:A:LEU:CA	1:183:A:LEU:C	11	1.03
(2,86)	1:300:A:VAL:N	1:300:A:VAL:CA	1:300:A:VAL:C	1:301:A:THR:N	1	1.02
(2,71)	1:292:A:ASP:C	1:293:A:ILE:N	1:293:A:ILE:CA	1:293:A:ILE:C	6	1.02
(1,81)	1:257:A:THR:C	1:258:A:PHE:N	1:258:A:PHE:CA	1:258:A:PHE:C	12	1.02
(1,60)	1:247:A:TYR:N	1:247:A:TYR:CA	1:247:A:TYR:C	1:248:A:PHE:N	9	1.02
(1,33)	1:198:A:ASP:C	1:199:A:ALA:N	1:199:A:ALA:CA	1:199:A:ALA:C	8	1.02
(2,78)	1:296:A:TYR:N	1:296:A:TYR:CA	1:296:A:TYR:C	1:297:A:ASN:N	13	1.01
(2,52)	1:261:A:TYR:N	1:261:A:TYR:CA	1:261:A:TYR:C	1:262:A:LEU:N	14	1.01
(2,42)	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	1:225:A:GLN:N	10	1.01
(2,41)	1:223:A:GLY:C	1:224:A:VAL:N	1:224:A:VAL:CA	1:224:A:VAL:C	7	1.01
(1,54)	1:244:A:PRO:N	1:244:A:PRO:CA	1:244:A:PRO:C	1:245:A:VAL:N	12	1.01
(1,48)	1:231:A:ARG:N	1:231:A:ARG:CA	1:231:A:ARG:C	1:232:A:LEU:N	13	1.01
(1,42)	1:228:A:LEU:N	1:228:A:LEU:CA	1:228:A:LEU:C	1:229:A:PHE:N	3	1.01
(1,24)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:LEU:N	6	1.01
(1,14)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:GLU:N	13	1.01